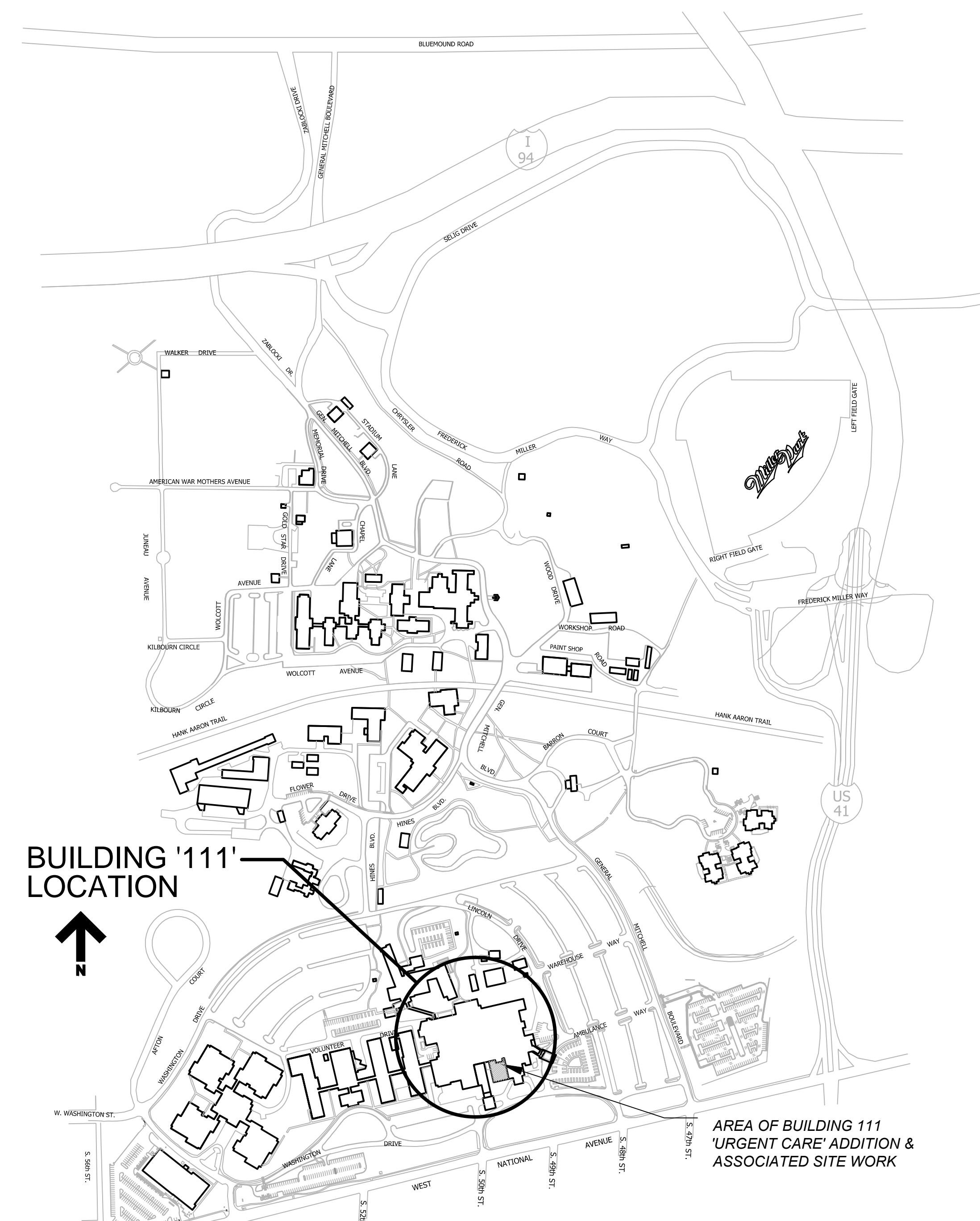


' C L E M E N T J . Z A B L O C K I V A M E D I C A L C E N T E R '

5000 W. NATIONAL AVE.
MILWAUKEE, WI 53295

111 EXPAND URGENT CARE
PROJECT NO.: 695-402

CAMPUS MAP



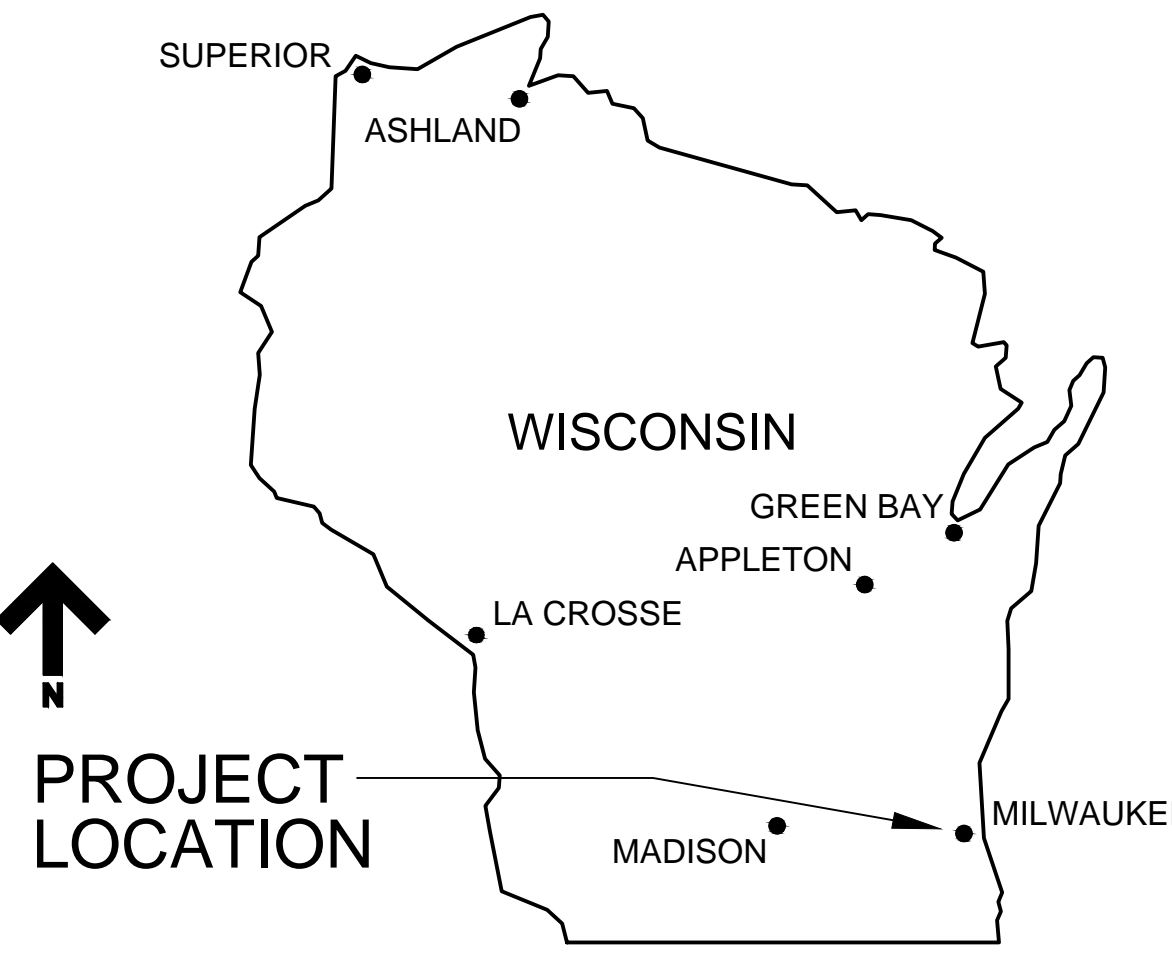
ALTERNATE BID INFORMATION	
ALTERNATE BID #1:	ELIMINATE SITE WORK AND LANDSCAPING INCLUDING: SOD AND SEEDING, SHRUBS, PLANTS AND CONCRETE WALKWAY TO AREA WELLS. ELIMINATE DIRT MOVABLE PARTITION WALLS AND PROVIDE STANDARD METAL STUD AND DRYWALL CONSTRUCTION. ELIMINATE ALL WORK RELATING TO THE REMODELING OF THE EXISTING ER WAITING AREA.
ALTERNATE BID #2:	ELIMINATE ALL WORK RELATING TO THE REMODELING OF THE EXISTING CT AREA.
ALTERNATE BID #3:	ELIMINATE ALL WORK RELATING TO THE PERIMETER SOFFIT AND CAN LIGHTS AND CONTINUE THE ACT SYSTEM TO THE STOREFRONT.
ALTERNATE BID #4:	ELIMINATE ALL MODULAR FURNITURE AT OFFICES.
ALTERNATE BID #5:	REDUCE THE AREA WELL TO HALF THE AREA SHOWN AND LOCATE NEW AIR COOLED CONDENSER AND CHILLER ON GRADE.
ALTERNATE BID #6:	ELIMINATE RETRACTABLE DOORS AT THE UC EXAM ROOM AND PROVIDE STANDARD GLASS DOORS.
ALTERNATE BID #7:	ELIMINATE SOFFIT AND CAN LIGHTS AT THE NURSE STATION AND AND CONTINUE THE ACT SYSTEM.
ALTERNATE BID #8:	ELIMINATE THE SYSTEM FURNITURE AND PROVIDE DEMOUNTABLE PARTITIONS AND CUBICLES.
ALTERNATE BID #9:	ELIMINATE HEADWALLS, MEDICAL GAS PIPING, ZONE VALVE BOX, AND OUTLET FOR MEDICAL AIR, MEDICAL VACUUM, AND OXYGEN TO THE EXAM ROOMS.
ALTERNATE BID #10:	ELIMINATE CRAWL SPACE AREA AND PROVIDE SLAB ON GRADE CONSTRUCTION FOR THIS AREA.
ALTERNATE BID #11:	ELIMINATE FIRE PROTECTION FROM CRAWL SPACE.

IN THE CASE OF CONFLICTS OR DISCREPANCIES WITHIN OR AMONG THE CONTRACT DRAWINGS, THE BETTER QUALITY, MORE STRINGENT REQUIREMENTS OR GREATER QUANTITY OF WORK, AS DETERMINED BY THE GOVERNMENT, SHALL BE PROVIDED.

PROJECT TEAM

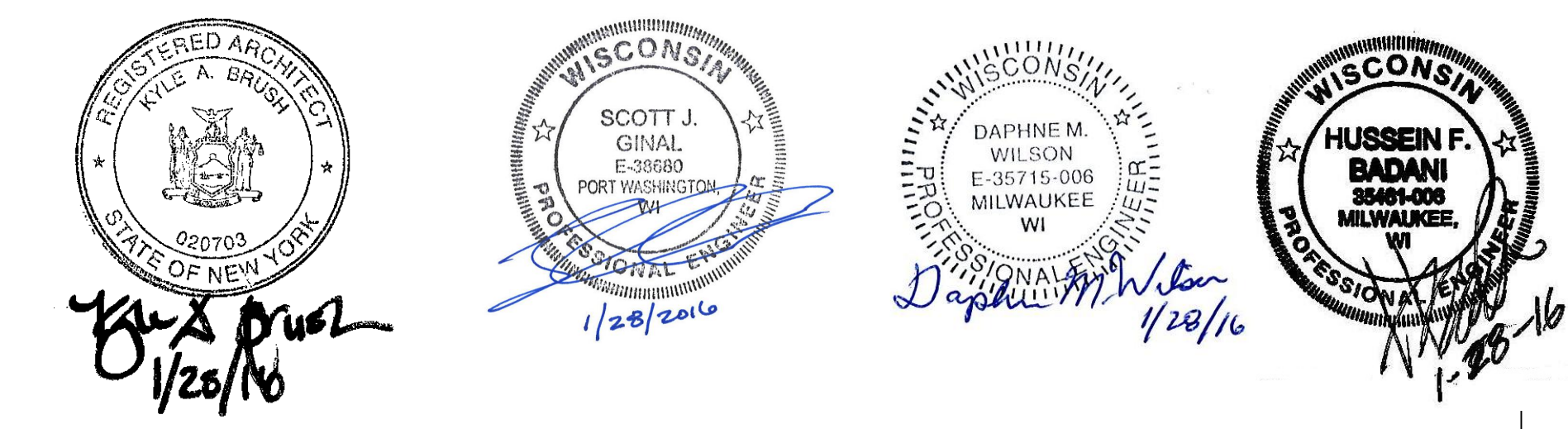
PROJECT LEADER/ARCHITECT	
CHEQUAMEGON BAY GROUP, INC.	
MILWAUKEE, WI 309 N. WATER ST. SUITE 650 MILWAUKEE, WI, 53202 PHONE: (414) 258-6004	CONTACT: KYLE BRUSH KBRUSH@CHEQBAYGRP.COM
CONTRACTING OFFICER'S REPRESENTATIVE (COR)	
CLEMENT J. ZABLOCKI VA MEDICAL CENTER	
MILWAUKEE, WI 5000 W. NATIONAL AVE. BUILDING 70 MILWAUKEE, WI, 53295 PHONE: (414) 384-2000	CONTACT: ANDREW JACOBS ANDREW.JACOBS3@VA.GOV
CIVIL & LANDSCAPE	
PENN CONSTRUCTION GROUP	
MILWAUKEE, WI 309 N. WATER ST. SUITE 650 MILWAUKEE, WI, 53202 PHONE: (414) 289-8787	CONTACT: HUSSEIN (SAM) BADANI HBADANI@PCGDESIGNBUILD.COM
ENVIRONMENTAL	
THE SIGMA GROUP	
1300 WEST CANAL ST. MILWAUKEE, WI, 53223 PHONE: (414) 643-4200 FAX: (414) 643-4210	CONTACT: JEFF SENN JSENN@THESIGMAGROUP.COM
FURNITURE SYSTEMS	
BSI	
MILWAUKEE, WI W22 N630 CHEANEY RD. WAUKESHA, WI, 53186 PHONE: (262) 955-6278	CONTACT: AMY WOODZICK AWOODZICK@BUILDINGSERVICE.COM
PENN CONSTRUCTION GROUP	
MILWAUKEE, WI 309 N. WATER ST. SUITE 650 MILWAUKEE, WI, 53202 PHONE: (414) 289-8787	CONTACT: BETH OHL BOHL@AVANTTI-GROUP.COM
PENN CONSTRUCTION GROUP	
MILWAUKEE, WI 309 N. WATER ST. SUITE 650 MILWAUKEE, WI, 53202 PHONE: (414) 289-8787	CONTACT: DAPHNE WILSON DWILSON@AVANTTI-GROUP.COM

LOCATION MAP



SHEET INDEX

VOLUME 2 OF 2						
SHEET NO.	SHEET TITLE	ISSUED FOR 35% CONST. DOCS.	ISSUED FOR 35% RESUBMITTAL	ISSUED FOR 65% CONST. DOCS.	ISSUED FOR 95% CONST. DOCS.	ISSUED FOR 100% BID DOCUMENTS
ISSUE DATE:		7/10/2015	8/14/2015	9/2/2015	10/26/2015	1/28/2016
GENERAL INFORMATION/TITLE SHEETS						
G100.2	VOLUME 2 OF 2: TITLE SHEET, PROJECT INFORMATION, & SHEET INDEX	X	X	X	X	X
STRUCTURAL						
S000	GENERAL STRUCTURAL NOTES			X	X	X
S100	FOUNDATION PLAN			X	X	X
S101	FIRST FLOOR FRAMING PLAN			X	X	X
S200	ROOF FRAMING PLAN			X	X	X
S800	FOUNDATION DETAILS			X	X	X
FIRE PROTECTION DRAWINGS						
F001	LEGENDS, ABBREVIATIONS AND SYMBOLS	X		X	X	X
FA100	FLOOR PLANS - FIRE ALARM	X	X	X	X	X
FX100	FLOOR PLANS - FIRE SUPPRESSION			X	X	X
PLUMBING DRAWINGS						
P001	LEGENDS, ABBREVIATIONS AND SYMBOLS	X	X	X	X	X
PD100	DEMOLITION FLOOR PLAN			X	X	X
PP100	FLOOR PLANS	X	X	X	X	X
PP101	FLOOR PLANS	X	X	X	X	X
P401	ISOMETRIC DIAGRAMS			X	X	X
P402	ISOMETRIC DIAGRAMS					X
P403	ISOMETRIC DIAGRAMS					X
P501	DETAILS			X	X	X
HVAC DRAWINGS						
M001	LEGENDS, ABBREVIATIONS AND SYMBOLS	X	X	X	X	X
MD100	BASEMENT DEMOLITION PLAN		X	X	X	X
MD101	FIRST FLOOR DEMOLITION PLAN		X	X	X	X
MD102	FIRST FLOOR DEMOLITION PLAN				X	X
MH099	SUB BASEMENT PLAN		X	X	X	X
MH100	BASEMENT PLAN	X	X	X	X	X
MH101	FIRST FLOOR PLAN	X	X	X	X	X
MP101	FIRST FLOOR PLAN					X
MH102	FIRST FLOOR PLAN				X	X
MH103	ROOF PLAN					X
MH200	ENLARGED MECHANICAL ROOM PLAN	X	X	X	X	X
MH300	SECTIONS				X	X
M501	DETAILS AND DIAGRAMS	X	X	X	X	X
M502	DETAILS AND DIAGRAMS	X	X	X	X	X
M601	SCHEDULES		X	X	X	X
M602	SCHEDULES		X	X	X	X
M603	SCHEDULES					X
M701	CONTROL DIAGRAMS					X
M702	CONTROL DIAGRAMS				X	X
ELECTRICAL DRAWINGS						
E000	SYMBOLS, ABBREVIATIONS, AND NOTES	X		X	X	X
E010	OVERALL PLAN	X		X	X	X
ED100	DEMOLITION FLOOR PLAN			X	X	X
EP100	POWER PLAN			X	X	X
EP101	ENLARGED POWER PLANS					X
ET100	FIRST FLOOR SPECIAL SYSTEMS PLAN			X	X	X
EL100	LIGHTING PLAN			X	X	X
E401	ELECTRICAL ONE-LINE & GROUNDING DIAGRAM			X	X	X
E501	ELECTRICAL DETAILS			X	X	X
E502	ELECTRICAL DETAILS			X	X	X
E503	TELECOMMUNICATIONS DETAILS					X
E601	ELECTRICAL SCHEDULES			X	X	X
E602	ELECTRICAL PANEL SCHEDULES			X	X	X



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BID DOCUMENTS

Revisions:

Date

Department of Veterans Affairs
Medical Center
5000 W. National Avenue
Milwaukee, WI

KEY PLAN:
EXISTING BLDG. 111
URGENT CARE ADDITION

CONSULTANTS:

PROJECT LEADER:

309 N. WATER ST.
SUITE 650
MILWAUKEE, WI 53202
PHONE: (414) 258-6004

Drawing Title

Volume 2 of 2:
Titlesheet, Project
Information & Sheet Index

Approved: Project Director

Project Title

111 EXPAND URGENT CARE

Location:
VA Medical Center, Milwaukee, WI

Date
January 28th, 2016

Checked By:

Drawn By:
KAB

Project Number

695-402

Building Number

111

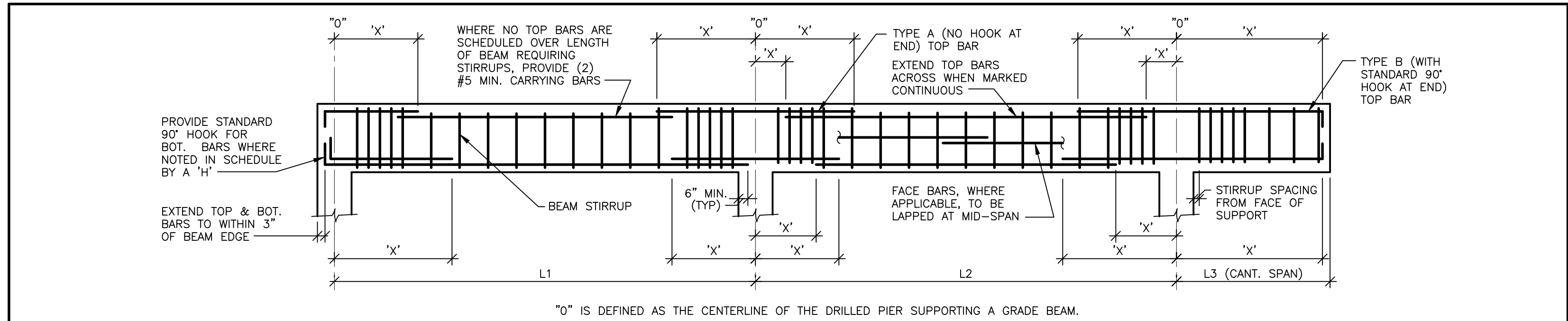
Drawing Number

G100.2

Office of
Facilities
Management

Department of
Veterans Affairs

A three inches = one foot
B one and one half inches = one foot
C one inch = one foot
D three quarters inch = one foot
E one half inch = one foot
F three eighths inch = one foot
G one quarter inch = one foot
H one eighth inch = one foot

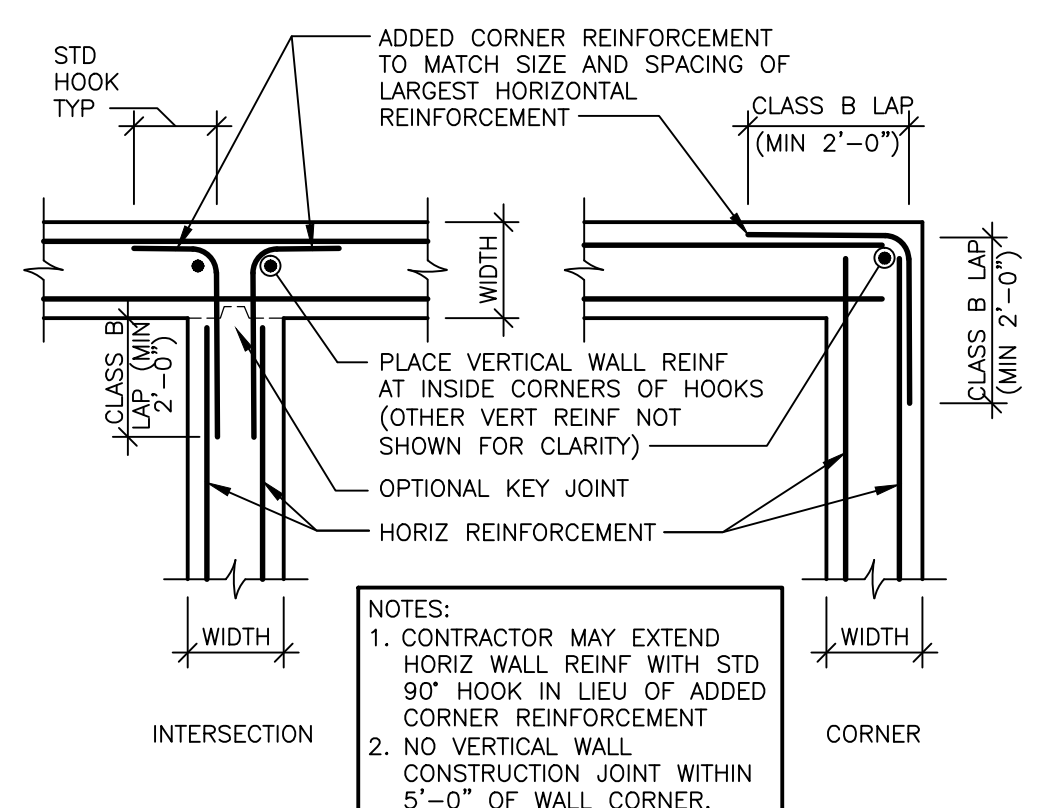


GRADE BEAM SCHEDULE (SEE NOTE 1)																	
MARK	SIZE		BOTTOM BARS				TOP BARS				STIRRUPS				REMARKS		
	WIDTH (IN.)	DEPTH (IN.)	S OR W END "0"	AMT	SIZE	N OR E END "0"	S OR W END "0"	AMT	SIZE	N OR E END "0"	SIZE	TYPE	SPACING FROM FACE OF SUPPORT EA END UNO	SPACING IN CANTILEVER			
GB1	40	48	H	CONT	7	7	CONT	CONT	H	CONT	5	9	CONT	CONT	#4	I	2 AT 6", R AT 12"
GB2	40	48	CONT	CONT	7	7	CONT	CONT	CONT	CONT	5	9	CONT	CONT	#4	I	2 AT 6", R AT 12"
GB3	40	48	CONT	CONT	7	7	CONT	H	CONT	CONT	10	9	CONT	H	#4	I	2 AT 6", R AT 12"
GB4	40	48	H	CONT	8	9	CONT	CONT	H	CONT	10	9	CONT	CONT	#4	I	2 AT 6", R AT 12"
GB5	40	48	CONT	CONT	8	9	CONT	CONT	CONT	CONT	10	9	CONT	CONT	#4	I	2 AT 6", R AT 12"
GB6	40	48	CONT	CONT	8	9	CONT	CONT	CONT	CONT	10	9	CONT	CONT	#4	I	2 AT 6", R AT 12"
GB7	40	48	CONT	CONT	8	9	CONT	H	CONT	CONT	10	10	CONT	H	#4	I	2 AT 6", R AT 12"
GB8	36	48	H	CONT	8	8	CONT	CONT	H	CONT	6	8	CONT	CONT	#4	II	2 AT 11", R AT 22"
GB9	36	48	CONT	CONT	8	8	CONT	H	CONT	CONT	12	10	CONT	H	#4	II	2 AT 3", R AT 6"
GB10	30	48	H	CONT	8	7	CONT	H	H	CONT	8	7	CONT	H	#4	I	2 AT 6", R AT 12"
GB11	32	48	H	CONT	8	6	CONT	CONT	H	CONT	8	6	CONT	CONT	#4	I	2 AT 6", R AT 12"
GB12	32	48	CONT	CONT	8	6	CONT	CONT	CONT	CONT	8	6	CONT	CONT	#4	I	2 AT 6", R AT 12"
GB13	32	48	CONT	CONT	8	6	CONT	H	CONT	CONT	8	6	CONT	H	#4	I	2 AT 6", R AT 12"

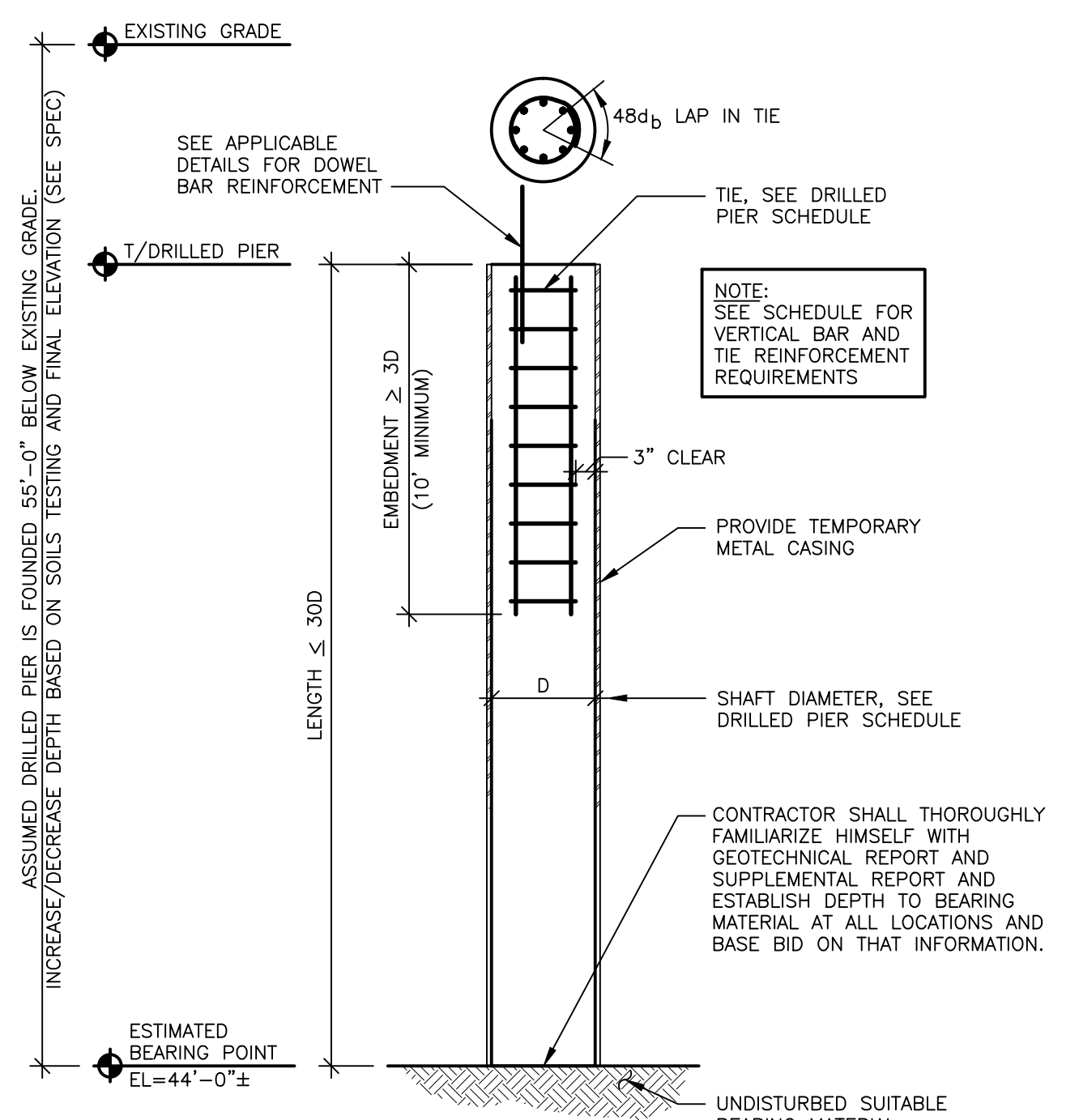
- NOTES:
- IN GRADE BEAM SCHEDULE, BEAMS HAVING AN "R" SUFFIX ARE THE SAME AS THAT SCHEDULED EXCEPT THAT THE EAST WEST (E AND W) OR NORTH AND SOUTH (N AND S) REFERENCES SHOULD BE REVERSED.
 - FACE BARS TO BE PROVIDED AT ALL BEAMS IN ACCORDANCE WITH DETAIL 5/S100 UNLESS SPECIFICALLY NOTED OTHERWISE.
 - PROVIDE CLASS "B" LAPS AT ALL LOCATIONS WHERE LAP SPICED ARE REQUIRED ALONG BEAM SPAN. LAP TOP BARS AT MIDSPAN OF BEAM, LAP BOTTOM BARS OVER SUPPORTS.
 - REFER TO GENERAL NOTES ON DRAWING S000 FOR CLEAR COVER REQUIREMENTS.
 - PLACE TOP BARS BELOW INTERSECTING GRADE BEAM TOP BARS AND PLACE BOTTOM BARS ABOVE INTERSECTING GRADE BEAM BOTTOM BARS.
- 6) STIRRUP TYPE:
-

DRILLED PIER SCHEDULE (SEE DRILLED PIER SECTION 2/S100)							
MARK	SHAFT DIAMETER	BELL DIAMETER	REINFORCEMENT		TIES	REMARKS	
			VERTICALS				
DP26	2'-6"	N/A	(6) #7	#3 AT 14"	1		
DP30	3'-0"	N/A	(7) #8	#3 AT 16"	2		
DP36	3'-6"	N/A	(7) #9	#3 AT 18"	2		
DP40	4'-0"	N/A	(10) #9	#3 AT 18"	2		

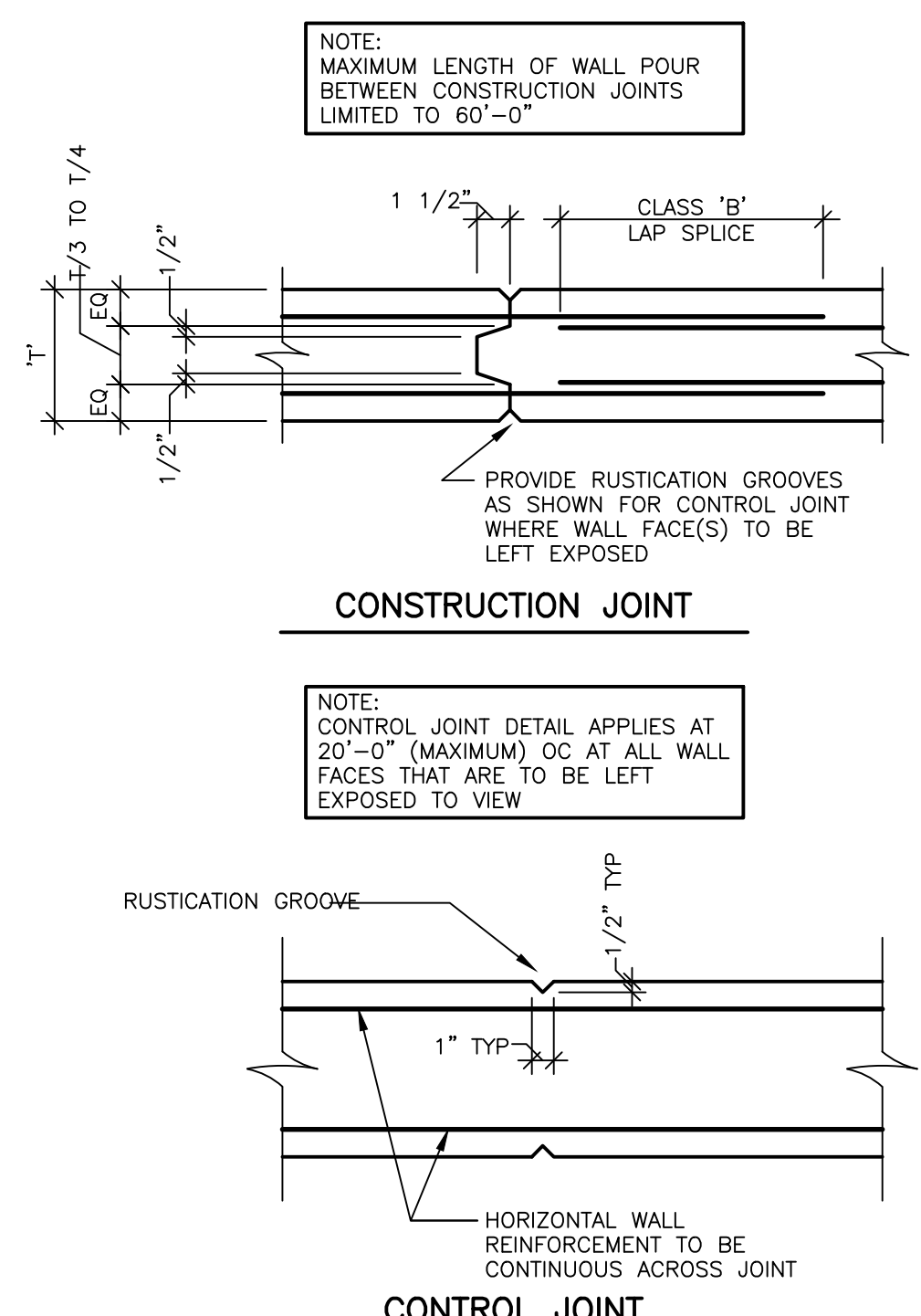
- NOTES:
- VERTICAL BARS TO TERMINATE WITH STANDARD 90 DEG END HOOK 4" BELOW TOP OF DRILLED PIER. PROVIDE (6) #4 "O" DOWELS INTO CONC WALL ABOVE. EMBED 2'-0".
 - VERTICAL BARS TO TERMINATE WITH STANDARD 90 DEG END HOOK THAT EXTENDS 2'-0" INTO GRADE BEAM ABOVE.



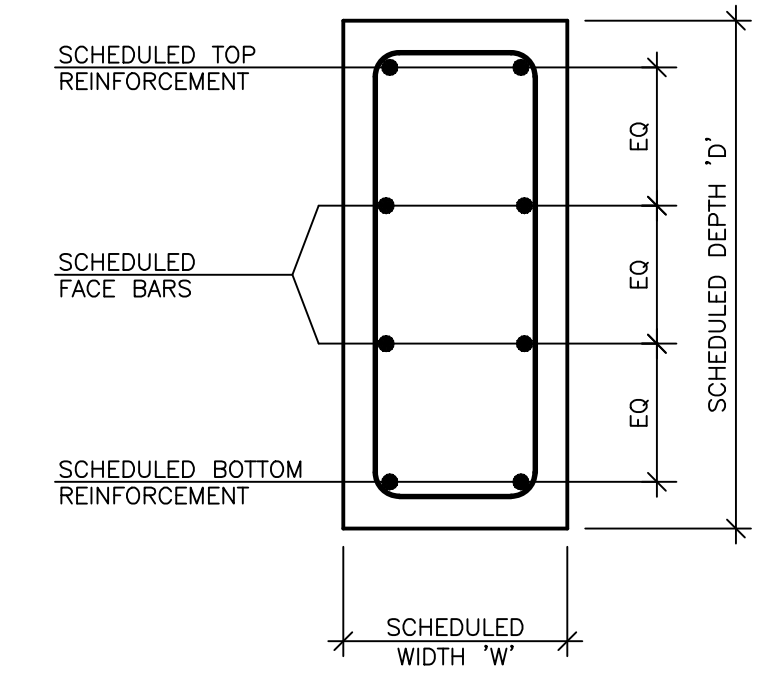
TYP CORNER REINFORCEMENT AT WALL/FOOTING/GRADE BEAM
SCALE: 0' 3" 6" 1' 2'



2) TYPICAL STRAIGHT SHAFT DRILLED PIER
SCALE: NONE



3) TYPICAL CONCRETE WALL JOINTS
SCALE: 0' 3" 6" 1' 2'

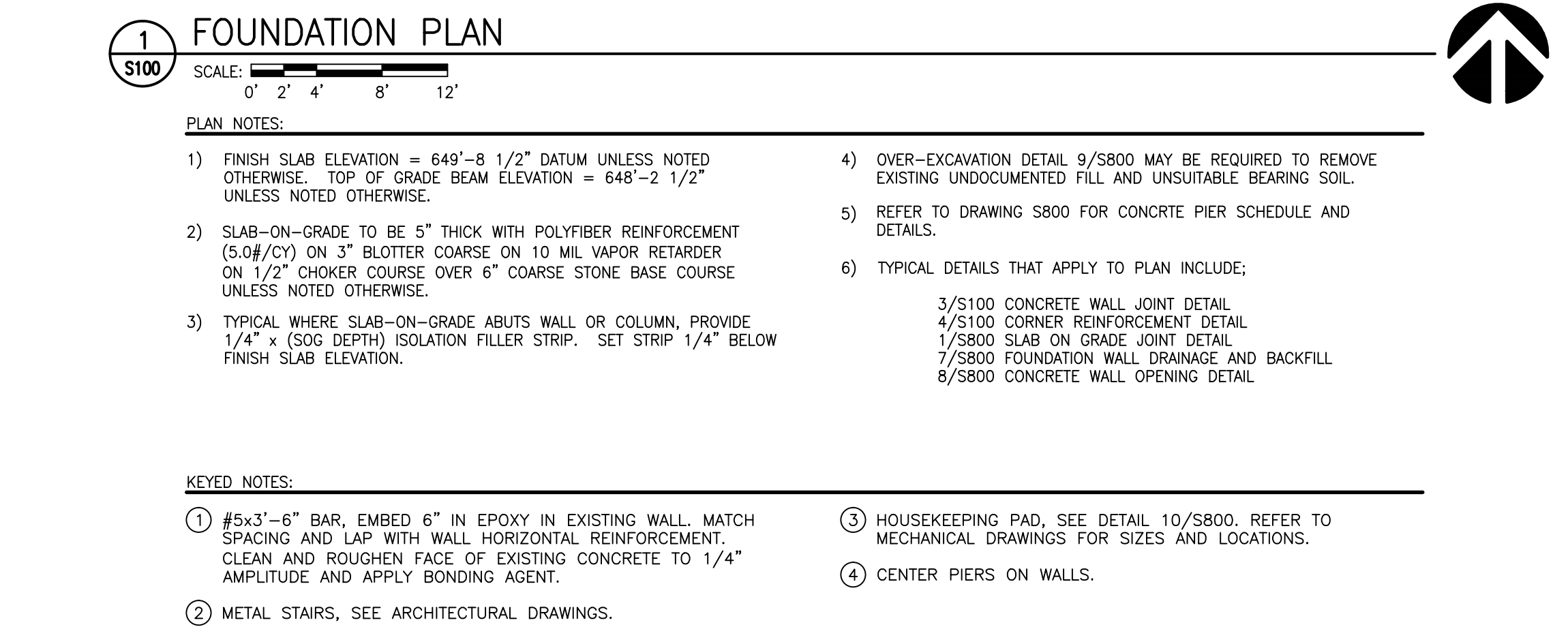


5) BEAM FACE BAR DETAIL
SCALE: 0' 3" 6" 1' 2'

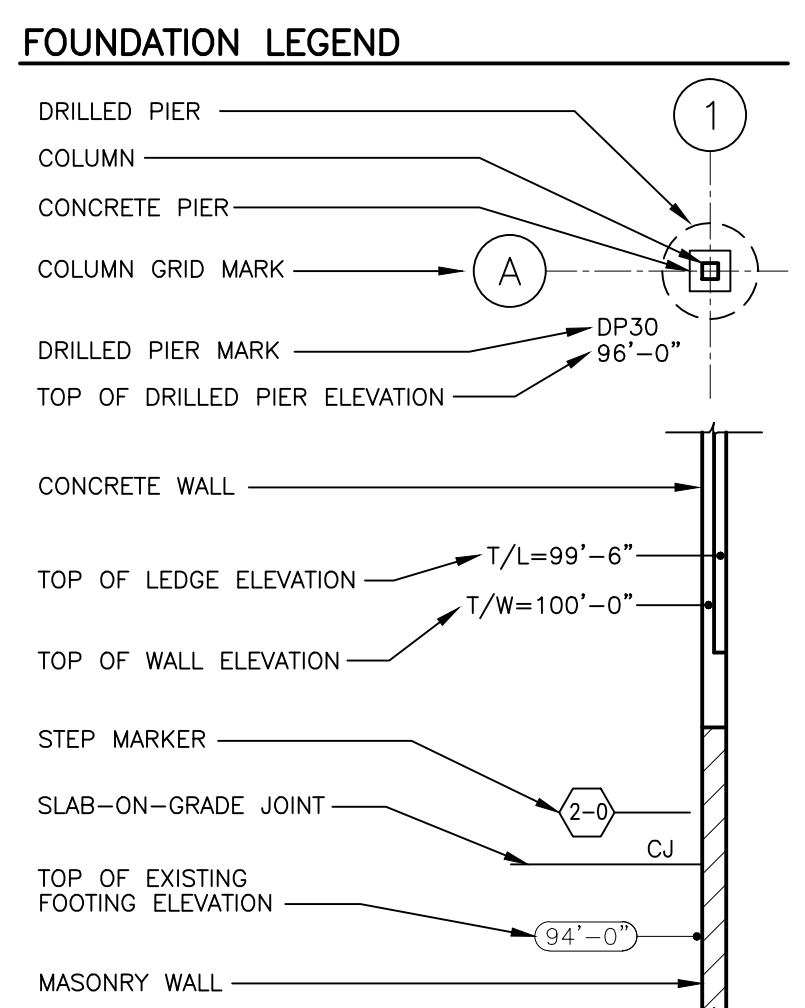
FACE BAR SCHEDULE				
D	8"≤W≤16"	16"≤W		
<25"	-	-		
25"-36"	(2) #4 EF	(2) #5 EF		
37"-48"	(2) #5 EF	(2) #6 EF		
49"-60"	(3) #5 EF	(3) #6 EF		
>60"	#5 AT 12" EF	#6 AT 12" EF		

NOTES:

- LAP FACE BARS 2'-0"
- PROVIDE FACE BARS UNLESS NOTED OR SCHEDULED OTHERWISE
- EF = EACH FACE



1) FOUNDATION PLAN
SCALE: 0' 2" 4" 8" 12'



R.A. Smith National
Beyond Surveying and Engineering
www.ra-smithnational.com
job number: 1150467

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BID DOCUMENTS

Department of Veterans Affairs
Medical Center
5000 W. National Avenue
Milwaukee, WI

DEPARTMENT OF VETERANS AFFAIRS
UNITED STATES OF AMERICA

KEY PLAN:

CONSULTANTS:

PROJECT LEADER:

Drawing Title
FOUNDATION PLAN

Approved: Project Director

Project Title
111 EXPAND URGENT CARE

Location:
VA Medical Center, Milwaukee, WI

Date
January 28th, 2016

Checked By:
SJK

Drawn By:
RASN

Project Number
695-402

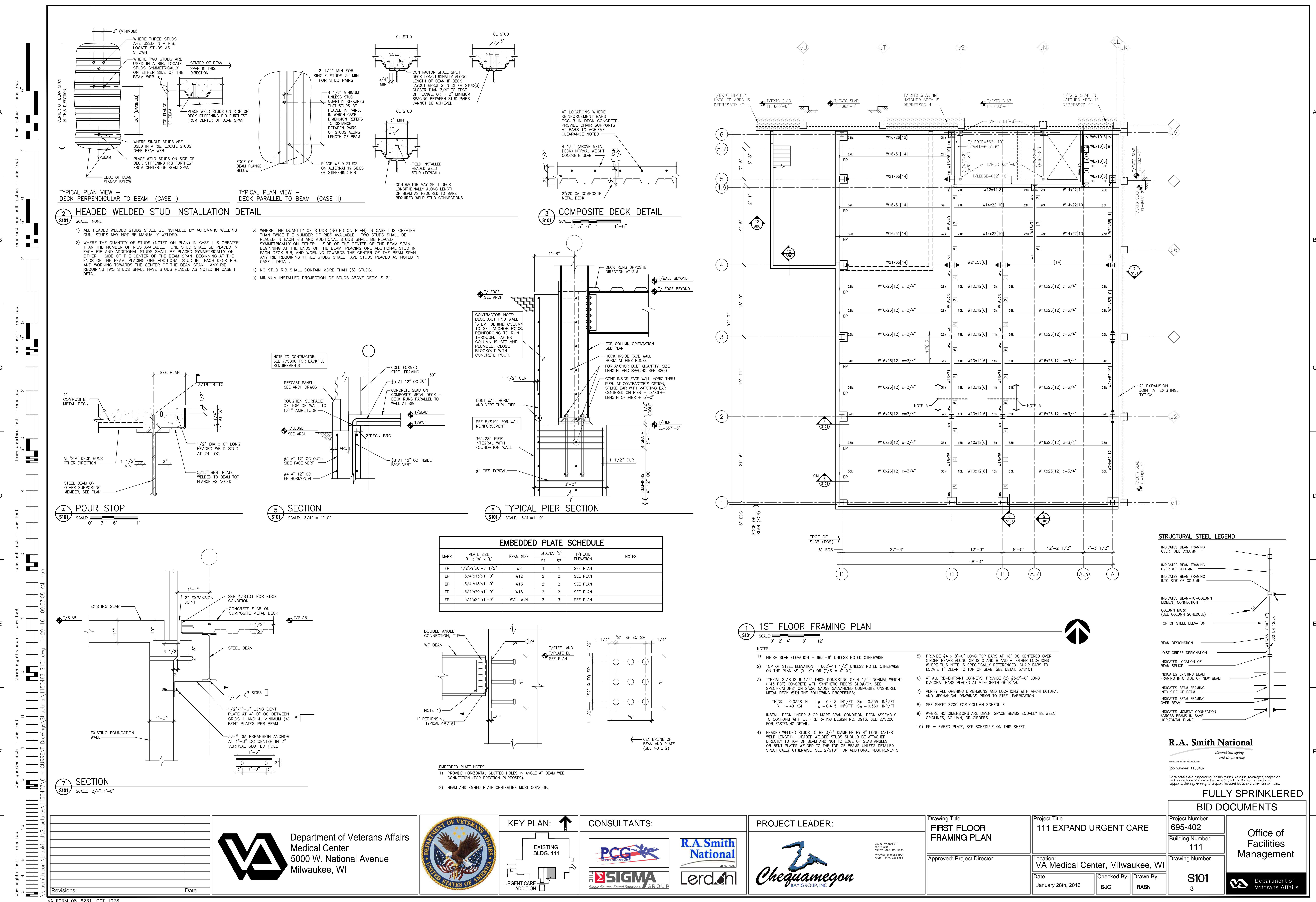
Building Number
111

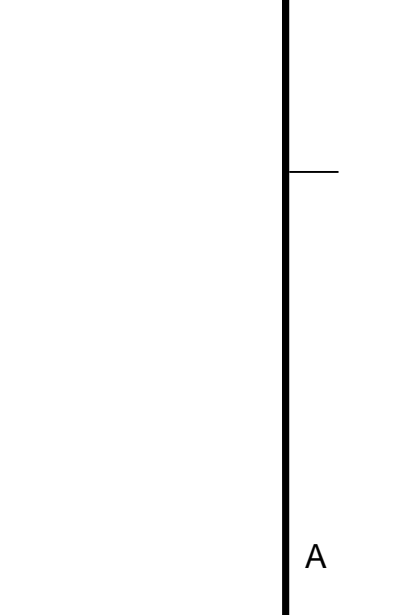
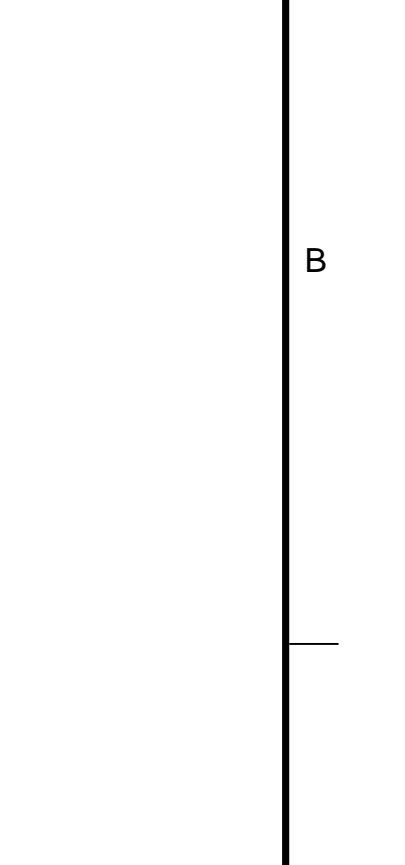
Drawing Number
S100
2

Office of
Facilities
Management

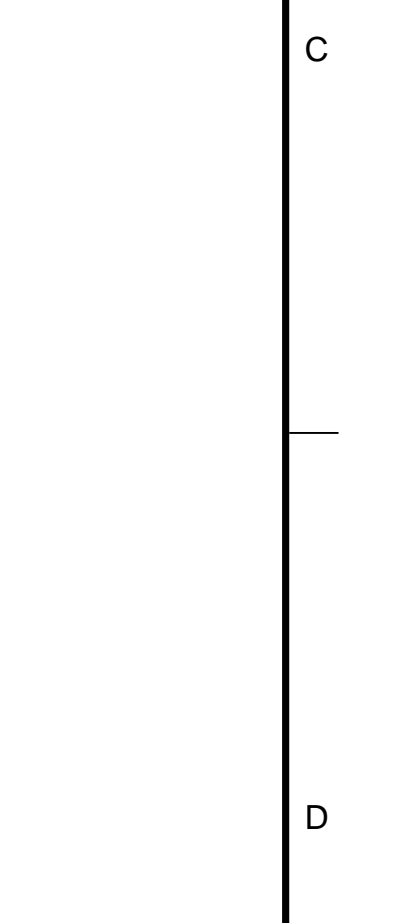
Revisions:

Date



[illegible]

(continued from page 1)

[illegible]

MARK	SIZE 'x' x 'w' x 'l'	ANCHOR RODS	BASE PLATE PLATE TYPE	DIMENSIONS				NOTES
				A	B	C	D	
BP1	3/4"x12"x1'-0"	(4) 3/4" DIA	III	3"	3"	3"	3"	
BP2	1 1/4"x18 1/2"x1'-6 1/2"	(6) 1" DIA x 2'-6"	II	7 3/4"	7 3/4"	7 3/4"	7 3/4"	
BP3	1 1/4"x14 1/2"x1'-2 1/2"	(4) 3/4" DIA	II	4"	4"	4"	4"	
BP4	1 1/2"x20 1/2"x1'-8 1/2"	(6) 1" DIA x 2'-6"	II	8 3/4"	8 3/4"	8 3/4"	8 3/4"	
BP5	1 1/4"x21"x1'-9"	(6) 1" DIA x 2'-6"	II	9"	9"	9"	9"	

BASE PLATE NOTES:

1) FASTEN STEEL COLUMN TO TOP OF

CONCRETE USING F1554 ANCHOR RODS

OF SIZE INDICATED WITH DOUBLE NUTS.

BASE PLATE SETTING WAGNERS, AND 2"

GROUT.

BASE PLATE TYPES:

I

II

ROOF/FUTURE 2ND FLOOR FRAMING PLAN

SCALE: 0' 2' 4' 8' 12'

NOTES:

- FINISH SLAB ELEVATION = 677'-3 1/2" UNLESS NOTED OTHERWISE.
- TOP OF STEEL ELEVATION = 676'-9" UNLESS NOTED OTHERWISE ON THE PLAN AS (X-X") OR (1/5" = X-X").
- TYPICAL SLAB IS 6 1/2" THICK CONSISTING OF 4 1/2" NORMAL WEIGHT (145 PCF) CONCRETE WITH SYNTHETIC FIBERS (4.0#/CY, SEE SPECIFICATIONS) ON 2"x2" GAUGE CALVANIZED COMPOSITE UNWEIGHTED METAL DECK WITH THE FOLLOWING PROPERTIES:

THICK	0.0358	I _p	0.418	I _n ⁴ /ft	S _p	0.355	I _n ³ /ft
F _y	= 40 KSI	I _n	= 0.415	I _n ⁴ /ft	S _n	= 0.360	I _n ³ /ft
- HEADED WELDED STUDS TO BE 3/4" DIAMETER BY 4" LONG (AFTER WELD LENGTH). HEADED WELDED STUDS SHOULD BE ATTACHED DIRECTLY TO TOP OF BEAM AND NOT TO EDGE OF SLAB ANGLES OR BENT PLATES WELDED TO THE TOP OF BEAMS UNLESS DETAILED SPECIFICALLY OTHERWISE. SEE 2/3101 FOR ADDITIONAL REQUIREMENTS.
- PROVIDE #4 x 8'-0" LONG TOP BARS AT 18" OC CENTERED OVER GIRDER BEAMS ALONG GRIDS C AND B AND AT OTHER LOCATIONS WHERE THIS NOTE IS SPECIFICALLY REFERENCED. CHAIR BARS TO LOCATE 1" CLEAR TO TOP OF SLAB. SEE 3/5101.
- AT ALL RE-ENTRANT CORNERS, PROVIDE (2) #5x7'-6" LONG DIAGONAL BARS PLACED AT MID-DEPTH OF SLAB.
- VERIFY ALL OPENING DIMENSIONS AND LOCATIONS WITH ARCHITECTURE AND MECHANICAL DRAWINGS PRIOR TO STEEL FABRICATION.
- SEE THIS SHEET FOR COLUMN SCHEDULE.
- WHERE NO DIMENSIONS ARE GIVEN, SPACE BEAMS EQUALLY BETWEEN GRIDLINES, COLUMN, OR GIRDERS.

KEYED NOTES:


- CORE HOLES FOR DRAINS.

NOTES:

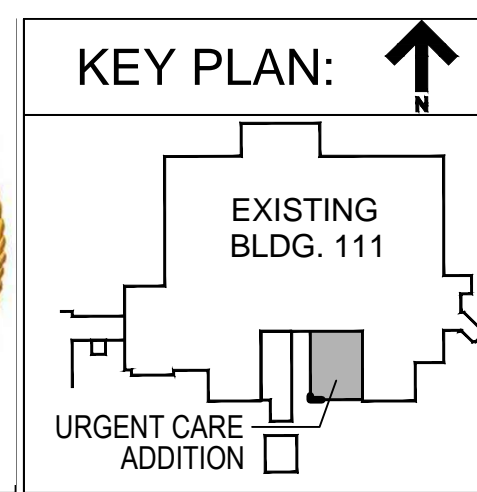
1) FINISH SLAB ELEVATION = $677'-3 \frac{1}{2}"$ UNLESS NOTED OTHERWISE.	5) PROVIDE #4 \times 8'-0" LONG TOP BARS AT 18" OC CENTERED OVER GIRDER BEAMS ALONG GRIDS C AND B AND AT OTHER LOCATIONS WHERE THIS NOTE IS SPECIFICALLY REFERENCED. CHAIR BARS TO LOCATE 1" CLEAR TO TOP OF SLAB. SEE 3/5/01.
2) TOP OF STEEL ELEVATION = $676'-9 \frac{1}{2}"$ UNLESS NOTED OTHERWISE ON THE PLAN AS (X-Y) OR (Y-X = Y-X).	6) AT ALL RE-ENTRANCE CORNERS, PROVIDE (2) #5x7'-6" LONG DIAGONAL BARS PLACED AT MID-DEPTH OF SLAB.
3) TYPICAL SLAB IS 6 1/2" THICK CONSISTING OF 4 1/2" NORMAL WEIGHT (145 PCF) CONCRETE WITH SYNTHETIC FIBERS (4.08 CY/CY). SEE SPECIFICATIONS ON 2'-0" CAUGED CANTONMENT COMPOSITE UNCHORED METAL DECK WITH THE FOLLOWING PROPERTIES:	7) VERIFY ALL OPENING DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS PRIOR TO STEEL FABRICATION.
THICK 0.0358 IN F_y 40 KSI f_u 0.418 IN ² /FT ² S_n 0.355 IN ³ /FT 0.360 IN ³ /FT	8) SEE THIS SHEET FOR COLUMN SCHEDULE.
INSTALL DECK UNDER 3 OR MORE SPAN CONDITIONS. DECK ASSEMBLY TO CONFORM WITH ULI FIRE RATING SYSTEM NO. D916. SEE 2/2/00 FOR FASTENING DETAIL.	9) WHERE NO DIMENSIONS ARE GIVEN, SPACE BEAMS EQUALLY BETWEEN GRIDLINES, COLUMN, OR GRIDERS.
4) HEADED WELDED STUDS TO BE 3/4" DIAMETER BY 4" LONG (AFTER WELD LENGTH). HEADED WELDED STUDS SHOULD BE ATTACHED DIRECTLY TO TOP OF BEAM AND NOT TO EDGE OF SLAB ANGLES OR REIN PLATES WELDED TO THE TOP OF BEAMS UNLESS DETAILED SPECIFICALLY OTHERWISE. SEE 2/2/01 FOR ADDITIONAL REQUIREMENTS.	

KEYED NOTES:

(1) CORE HOLES FOR DRAINS.



Department of Veterans Affairs
Medical Center
5000 W. National Avenue
Milwaukee, WI









309 N. WATER ST.
SUITE 600
MILWAUKEE, WI 53202
PHONE: (414) 228-6004
FAX: (414) 228-0154

Project Title
111 EXPAND URGENT CARE
Location:



R.A. Smith National

*Beyond Surveying
and Engineering*

www.ra-smithnational.com


job number: 1150467

Contractors are responsible for the means, methods, techniques, sequences and timing of construction including but not limited to, temporary supports, shoring, forming to support imposed loads and other similar items.

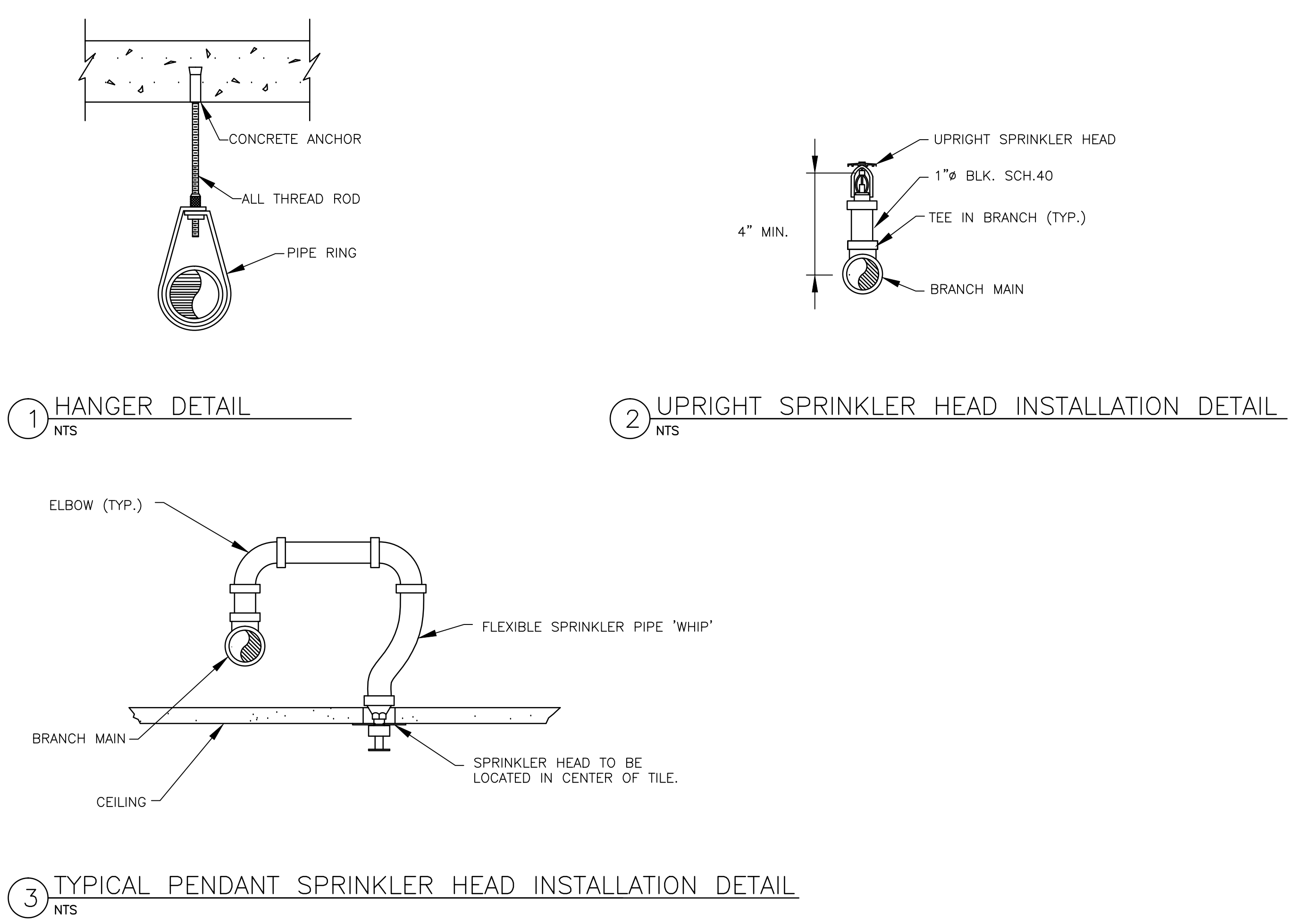
FULLY SPRINKLERED

BID DOCUMENTS

Project Number 695-402	<div>Office of Facilities Management</div>
Building Number 111	
Drawing Number	



**Department of
Veterans Affairs**



3 TYPICAL PENDANT SPRINKLER HEAD INSTALLATION DETAIL
NTS

FIRE ALARM

- MOUNTING AFF TO BOX CENTERLINE
COORDINATE FINAL LOCATION WITH ARCHITECT
- ALARM, FIRE, PANEL; FIRE TRANSPONDER PANEL
 - ALARM, FIRE; NOTIFICATION APPLIANCE CIRCUIT EXPANDER
 - ALARM, FIRE, MANUAL PULL STATION
MOUNTED 48" AFF
 - ALARM, HORN/STROBE, ONE ASSEMBLY
CANDELA RATING, MOUNTED 80" AFF
 - ALARM, HORN/STROBE/SPEAKER, ONE ASSEMBLY;
CANDELA RATING, MOUNTED 80" AFF
 - SPEAKER, "F" INDICATES FOR FIRE ALARM
CEILING MOUNTED
 - DETECTOR, HEAT; INTELLIGENT TEMPERATURER FIXED AND RATE
OF RISE
 - DETECTOR; INTELLIGENT PHOTOELECTRIC SMOKE
 - DETECTOR, SMOKE, FOR DUCT
 - ELECTROMAGNETIC TYPE DOOR HOLDER OUTLET
 - ADDRESSABLE CONTROL MODULE
 - MOTORIZED DAMPER
 - ALARM, TAMPER SWITCH (PROVIDE ADDRESSABLE MODULE)
 - DETECTOR, FLOW SWITCH (PROVIDE ADDRESSABLE MODULE)

LEGEND

- EXISTING MATERIAL/EQUIPMENT TO BE REMOVED
- EXISTING MATERIAL/EQUIPMENT TO REMAIN
- NEW MATERIAL/EQUIPMENT
- ELBOW DOWN
- ELBOW UP
- TEE DOWN
- TEE UP
- SPRINKLER PIPING
- SPRINKLER
- BUTTERFLY VALVE, MANUAL
- SPRINKLER RISER
- POINT OF CONNECTION
- FLOW CONTROL VALVE WITH TAMPER SWITCH
- GATE VALVE
- FLOW INDICATOR
- ALARM CHECK VALVE

ABBREVIATIONS

- AFF ABOVE FINISHED FLOOR
- AHJ AUTHORITY HAVING JURISDICTION
- AVG AVERAGE
- CFM CUBIC FEET PER MINUTE
- ELEV ELEVATION
- FDC FIRE DEPARTMENT CONNECTION
- FHV FIRE HOSE VALVE
- FM FIRE MAIN
- FR FIRE RISER
- FVC FIRE VALVE CABINET
- GALS GALLONS
- GPH GALLONS PER HOUR
- GV GATE VALVE
- MAX MAXIMUM
- MIN MINIMUM
- NP NOT PERMITTED
- NC NONCOMBUSTIBLE
- OS&Y OUTSIDE SCREW AND YOKE
- PSIG POUNDS PER SQUARE INCH GAUGE
- SOV SOLENOID VALVE
- SQFT SQUARE FEET
- VLV VALVE

OCCUPANCY CLASSIFICATION

PER INTERNATIONAL BUILDING CODE, CHAPTER 3:
• USE GROUP CLASSIFICATION = INSTITUTIONAL OCCUPANCY, GROUP I-2

FIRE SUPPRESSION GENERAL NOTES

- FIRE SPRINKLER CONTRACTOR SHALL PROVIDE A HYDRAULICALLY CALCULATED, WET PIPE SPRINKLER SYSTEM WITHIN THE SUITE. SECURE AND PAY FOR ALL NECESSARY PERMITS AND INSPECTIONS.
- THE HYDRAULIC CALCULATIONS AND SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF APPLICABLE SECTIONS OF THE NFPA STANDARDS VERIFIED BY ACTUAL TEST AT THE SITE. THE AVAILABLE WATER FLOW RATE, AND THE RESIDUAL PRESSURE. WHEN SUBMITTING SHOP DRAWINGS, INCLUDE COPIES OF WATER SYSTEM TEST REPORTS AND ALL HYDRAULIC CALCULATIONS WITH SYSTEM CURVES. INDICATE LOCATION OF WATER FLOWS AND PRESSURE TESTS, AND SHOW THESE TEST RESULTS AS BASIS FOR THE CALCULATIONS.
- FIRE SPRINKLER WORK SHALL INCLUDE CONNECTION TO EXISTING MAIN, WITH ALL REQUIRED DEVICES, INCLUDING DETECTOR CHECK VALVE, AND MISCELLANEOUS EQUIPMENT AS REQUIRED.
- COORDINATE LOCATION OF ALL MAINS, LATERALS AND PENDANT DROPS WITH MECHANICAL DRAWINGS AND REFLECTED CEILING PLANS. PROVIDE TWO COMPLETE SETS OF SHOP DRAWINGS, STAMPED BY THE FIRE PROTECTION AUTHORITY, TO THE VA PROJECT MANAGER PRIOR TO FABRICATION OR INSTALLATION OF THE SPRINKLER SYSTEMS.
- SPRINKLER PIPING SHALL BE CONCEALED ABOVE CEILING FINISHED AREAS AND SPRINKLER HEADS SHALL BE CHROME-PLATED. PIPING IN OTHER AREAS MAY BE EXPOSED AND SPRINKLER HEADS UPRIGHTS OR PENDANT TYPE, AS REQUIRED, NATURAL FINISH. THE GENERAL SPRINKLER PIPING SHALL BE INSTALLED AT MAXIMUM HEIGHT THROUGHOUT THE BUILDING STRUCTURE.
- PROVIDE SEISMIC BRACING AS REQUIRED TO MEET LOCAL CODES. PENDANT DROPS SHALL BE ADEQUATELY SUPPORTED/BRACED FROM STRUCTURE TO PREVENT PIPING FROM MOVING.
- COORDINATE WITH SPECIFICATIONS FOR MATERIALS, VALVES, EQUIPMENT, ETC.
- PRIOR TO CONNECTING THE OVERHEAD SPRINKLER PIPING, FLUSH UNDERGROUND MAIN AND STANDPIPE CONNECTIONS IN THE PRESENCE OF A REPRESENTATIVE OF THE OWNERS INSURANCE AND /OR THE LOCAL REGULATORY AGENCY AND MEET WITH THEIR APPROVAL.
- HYDRAULICALLY TEST THE FIRE SPRINKLER SYSTEM BEFORE AND AFTER INSTALLATION, IN THE PRESENCE OF THE LOCAL FIRE MARSHAL AND PROVE TO BE TIGHT. UPON COMPLETION OF THE FIRE SPRINKLER SYSTEM, SUBMIT CERTIFICATE WHICH INDICATES THAT THE WORK HAS BEEN FLUSHED AND TESTED IN ACCORDANCE WITH NFPA 13 AND 14 AND THAT THE SYSTEM IS OPERATIONAL, COMPLETE, AND HAS NO DEFECTS.
- THE FIRE PROTECTION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR LAYOUT DETAILS, CALCULATIONS AND PIPE SIZING AS REQUIRED BY ALL AUTHORITIES.
- FIRE PROTECTION CONTRACTOR SHALL FIELD VERIFY EXACT CONNECTION LOCATION TO THE EXISTING SPRINKLER SYSTEM OF ADEQUATE SIZE SUPPLY MAIN FOR THE REMODELED AREA.
- FIRE PROTECTION CONTRACTOR SHALL PERFORM ALL NECESSARY WATER FLOW TESTS TO VERIFY THAT THE WATER SUPPLY WILL MEET THE FIRE PROTECTION SYSTEM DEMANDS.
- EXISTING FIRE PROTECTION PIPING SHOWN IS EXISTING AND FOR REFERENCE ONLY.
- PROVIDE QUICK RESPONSE SPRINKLER HEADS THROUGHOUT LIGHT HAZARD AREA. PROVIDE UPRIGHT SPRINKLER HEADS IN AREAS WITH NO CEILING.
- SPRINKLER HEADS LOCATED WITHIN ROOMS WITH CEILINGS ARE TO BE CENTERED IN CEILING TILES.
- FIRE SPRINKLER CONTRACTOR TO COORDINATE WITH CEILINGS, DIFFUSERS, GRILLES, SENSORS, LIGHTS, DEVICES, SPEAKERS, ETC.
- ALL NEW CONTROL DEVICES TO BE TIED INTO EXISTING FIRE ALARM SYSTEM LOCATED IN AREA.

FIRE SUPPRESSION CODE SUMMARY

- APPLICABLE PORTIONS OF THE FOLLOWING NATIONAL CODES AND STANDARDS SHALL BE REFERENCED:
- INTERNATIONAL BUILDING CODE, 2009 EDITION.
 - INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2009 EDITION
 - VA FIRE PROTECTION DESIGN MANUAL
 - NATONAL FIRE PROTECTION ASSOCIATION, NFPA 101, LIFE SAFETY CODE (LSC), 2009 EDITION.
 - NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS, 2010 EDITION.
 - NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS, 2010 EDITION.
 - NFPA 70, NATIONAL ELECTRICAL CODE, 2011 EDITION.
 - NFPA 72, NATIONAL FIRE ALARM CODE, 2010 EDITION.
 - NFPA 80, STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES, 2010 EDITION.
 - NFPA 90A, STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS, 2009 EDITION.
 - NFPA 101
 - NFPA 110, STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS, 2010 EDITION.
 - ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAAS)

Revisions:

Date

Department of Veterans Affairs
5000 W. National Avenue
Milwaukee, WI

KEY PLAN: ↑

EXISTING BLDG. 111

URGENT CARE ADDITION

CONSULTANTS:

PROJECT LEADER:

309 N. WATER ST.
SUITE 650
MILWAUKEE, WI 53202
PHONE: (414) 258-6004

Drawing Title
LEGENDS,
ABBREVIATIONS, AND
SYMBOLS

Approved: Project Director

Project Title
111 EXPAND URGENT CARE

Location:
VA Medical Center, Milwaukee, WI

Date
January 28th, 2016

Checked By:
HFB

Drawn By:
EAO

Project Number
695-402

Building Number
111

Drawing Number
F001

Office of
Facilities
Management

Department of
Veterans Affairs

VA FORM 08-6231, OCT 1978

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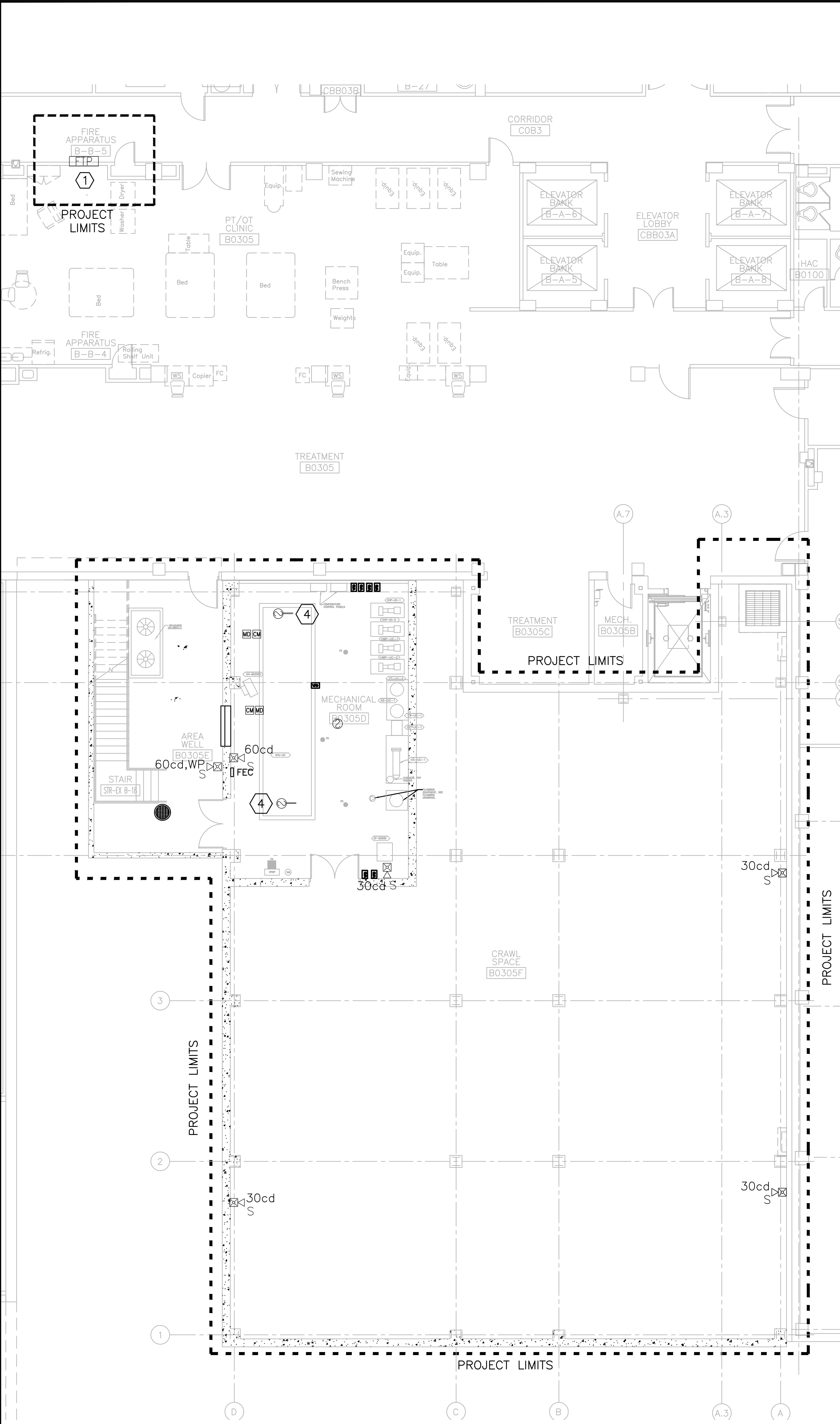
6

7

8

9

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



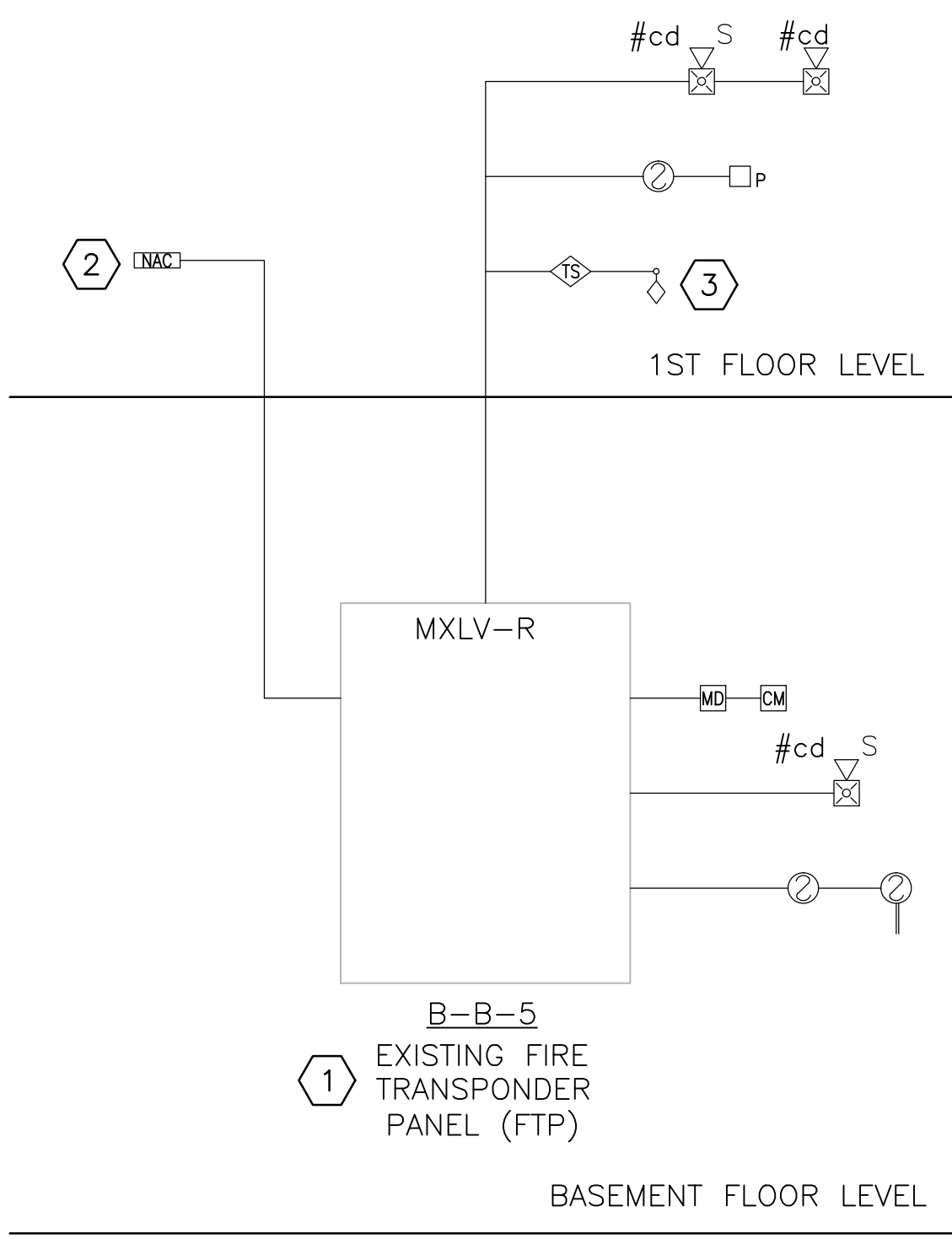
1 BASEMENT FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES

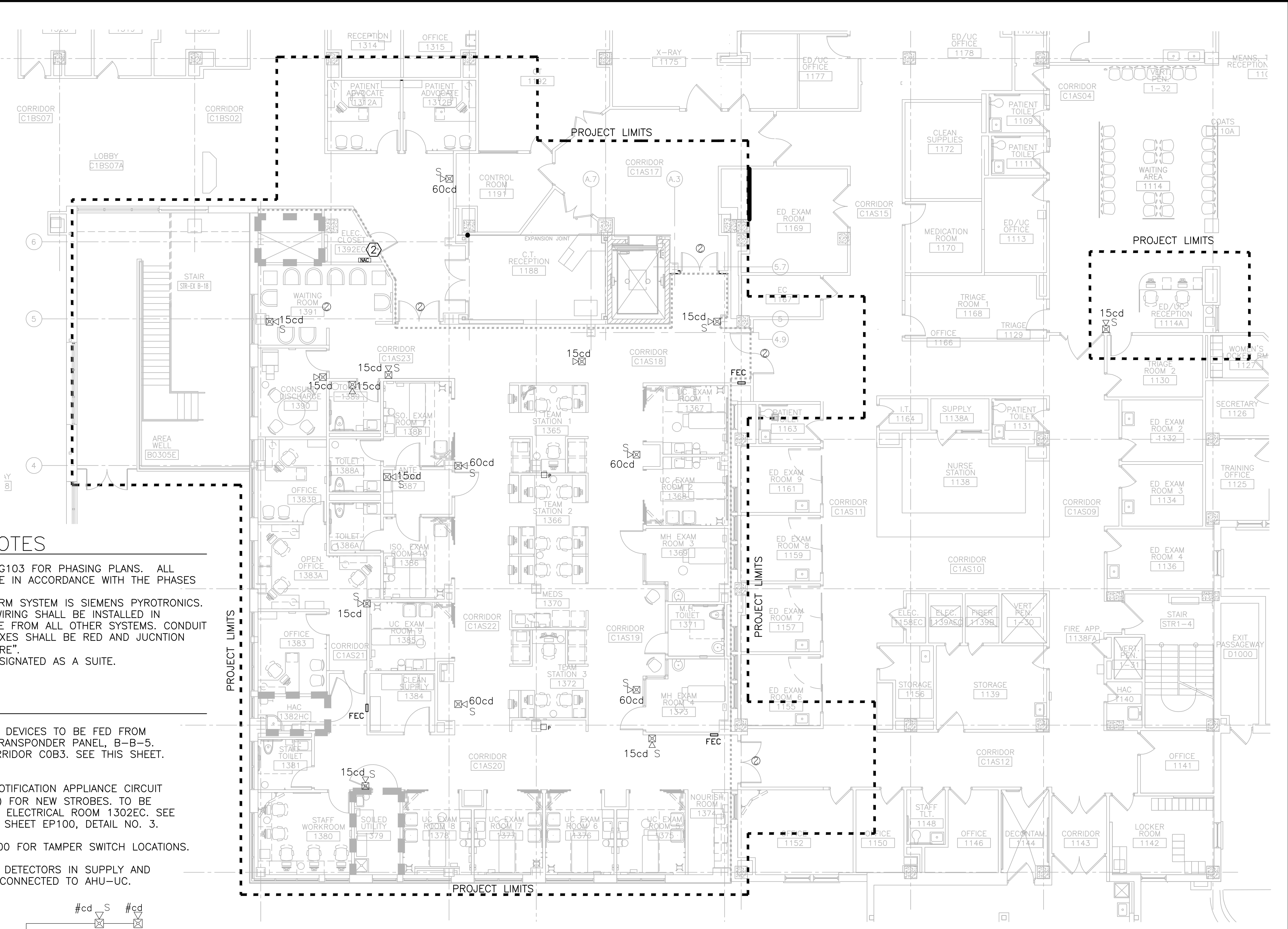
- REFER TO SHEET G103 FOR PHASING PLANS. ALL WORK TO BE DONE IN ACCORDANCE WITH THE PHASES IDENTIFIED.
- EXISTING FIRE ALARM SYSTEM IS SIEMENS PYROTRONICS. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN RACEWAY SEPARATE FROM ALL OTHER SYSTEMS. CONDUIT AND JUNCTION BOXES SHALL BE RED AND JUNCTION BOXES LABELED "FIRE".
- WORK AREA IS DESIGNATED AS A SUITE.

KEYED NOTES

- ALL FIRE ALARM DEVICES TO BE FED FROM EXISTING FIRE TRANSPODER PANEL, B-B-5. LOCATED IN CORRIDOR C0B3. SEE THIS SHEET.
- PROVIDE NEW NOTIFICATION APPLIANCE CIRCUIT EXPANDER (NAC) FOR NEW STROBES. TO BE LOCATED IN THE ELECTRICAL ROOM 1302EC. SEE ENLARGED PLAN SHEET EP100, DETAIL NO. 3.
- SEE SHEET FX100 FOR TAMPER SWITCH LOCATIONS.
- PROVIDE SMOKE DETECTORS IN SUPPLY AND RETURN DUCTS CONNECTED TO AHU-UC.



2 FIRE ALARM SYSTEM RISER
NTS



PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	SERVICE SIZE					DFU	CW WSFU	HW WSFU
		STORM	WASTE	VENT	CW	HW			
P-101	ANTI-LIGATURE WATER CLOSET	-	3"	2"	1-1/4"	-	4	10	-
P-103	WATER CLOSET, WALL HUNG	-	3"	2"	1-1/4"	-	4	10	-
P-414	LAVATORY WITH WRIST BLADE HANDLES	-	2"	1-1/2"	1/2"	1/2"	1	1.5	1.5
P-418	CONNECTIONS FOR EXAM ROOM LAVATORY	-	2"	1-1/2"	1/2"	1/2"	1	1.5	1.5
P-419	LAVATORY WITH SENSOR CONTROL	-	2"	1-1/2"	1/2"	1/2"	1	1.5	1.5
P-421	ANTI-LIGATURE LAVATORY	-	2"	1-1/2"	1/2"	1/2"	1	1.5	1.5
P-502	CORNER FLOOR MOUNTED SERVICE SINK	-	3"	2"	1/2"	1/2"	2	3.0	3.0
P-505	CLINIC SERVICE SINK	-	3"	2"	1/2"	1/2"	5	10	3.0
P-801	HOSE BIBB	-	-	-	3/4"	-	-	3	-
FD-1	FLOOR DRAIN	-	4"	1-1/2"	-	-	4	-	-
FS-1	FLOOR SINK	-	4"	1-1/2"	-	-	4	-	-
HD-1	HUB DRAIN	-	4"	1-1/2"	-	-	4	-	-
RD-1	ROOF DRAIN	3"	-	-	-	-	3	-	-
OD-1	OVERFLOW DRAIN	3"	-	-	-	-	-	-	-
IM-1	ICE MAKER CONNECTION	-	-	-	1/2"	-	-	0.25	-

NOTES:

- DFU'S AND WSFU'S PER VA PLUMBING DESIGN MANUAL.
- PROVIDE ISOLATION VALVES AT EACH FIXTURE WITH HW AND CW CONNECTIONS.
- PROVIDE THERMOSTATIC MIXING VALVE AT EACH LAVATORY AND SINK.
- SEE PLUMBING SPECIFICATIONS FOR ADDITIONAL INFORMATION.

MEDICAL GAS ALARM PANEL SCHEDULE

LOCATION	TYPE OF PANEL	GAGES	SERVICE INDICATOR LIGHTS	MANUFACTURER AND MODEL
CORRIDOR C1AS23	AREA (ZONE) ALARM PANEL OX ONLY	YES	OXYGEN LINE PRESSURE ABNORMAL TEST BUTTON	SEE SHEET P101
CORRIDOR C1AS23	AREA (ZONE) ALARM PANEL MA AND MV ONLY	YES	MEDICAL AIR LINE PRESSURE ABNORMAL MEDICAL VACUUM LINE VACUUM LOW TEST BUTTON	SEE SHEET P101

INDIRECT WATER HEATER SCHEDULE

TAG (HX-)	LOCATION	HEIGHT (IN)	DIAM (IN)	MIN TANK (GAL)	MIN CAP (GPH)	PROBABLE MAX DEMAND (GPH)	HEATED WATER (TUBES)			WATER (SHELL)			NOTES
							EWI (°F)	LWT (°F)	WPD (°F)	EWI (°F)	LWT (°F)	FLOW (GPM)	
HX-UC-2	MECH ROOM	39.5	20	23.4	39	154	50	140	3.9	180	160	0.65	1, 2

- NOTES:
- PROVIDE 1" DOM CW CONNECTION.
 - STEAM AND CONDENSATE CONNECTIONS BY MECHANICAL CONTRACTOR.

HOT WATER RECIRCULATION PUMP SCHEDULE

TAG	LOCATION	SERVES	WATER FLOW (GPM)	HEAD (FT)	SIZE		VOLTS/ PHASE	BHP	MOTOR SIZE (HP)	MOTOR SPEED (RPM)	COMMENTS
					SUCT. (IN.)	DISCH. (IN.)					
RCP-UC	MECH ROOM	DOM HW	1.5	1.98	3/4	3/4	115/1/60	-	1/40	3250	-

EXPANSION TANK SCHEDULE

MARK	LOCATION	SERVING	HEIGHT (IN)	DIAM (IN)	TANK VOL (GAL)	MAX ACCEPT VOL (GAL)	OPER PRESS		OPER TEMP		REMARKS
							DESIGN PSIG	MAX PSIG	DESIGN (°F)	MAX (°F)	
ET-DHW-UC	MECHANICAL ROOM	DOMESTIC HOT WATER	10	8	2	1	40	125	140	200	(1)

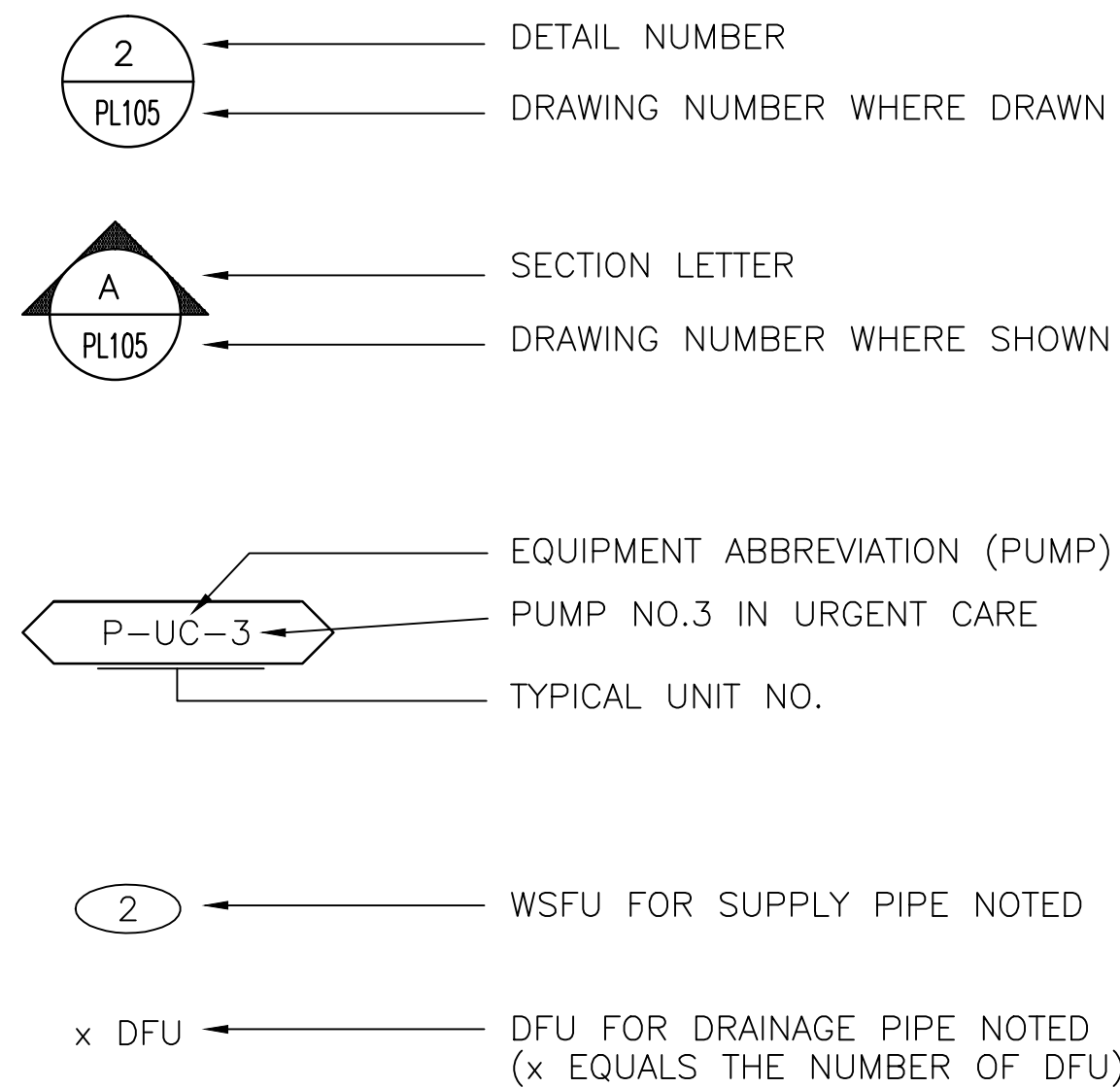
NOTE:

- BASIS OF DESIGN: AO SMITH PMC-2.

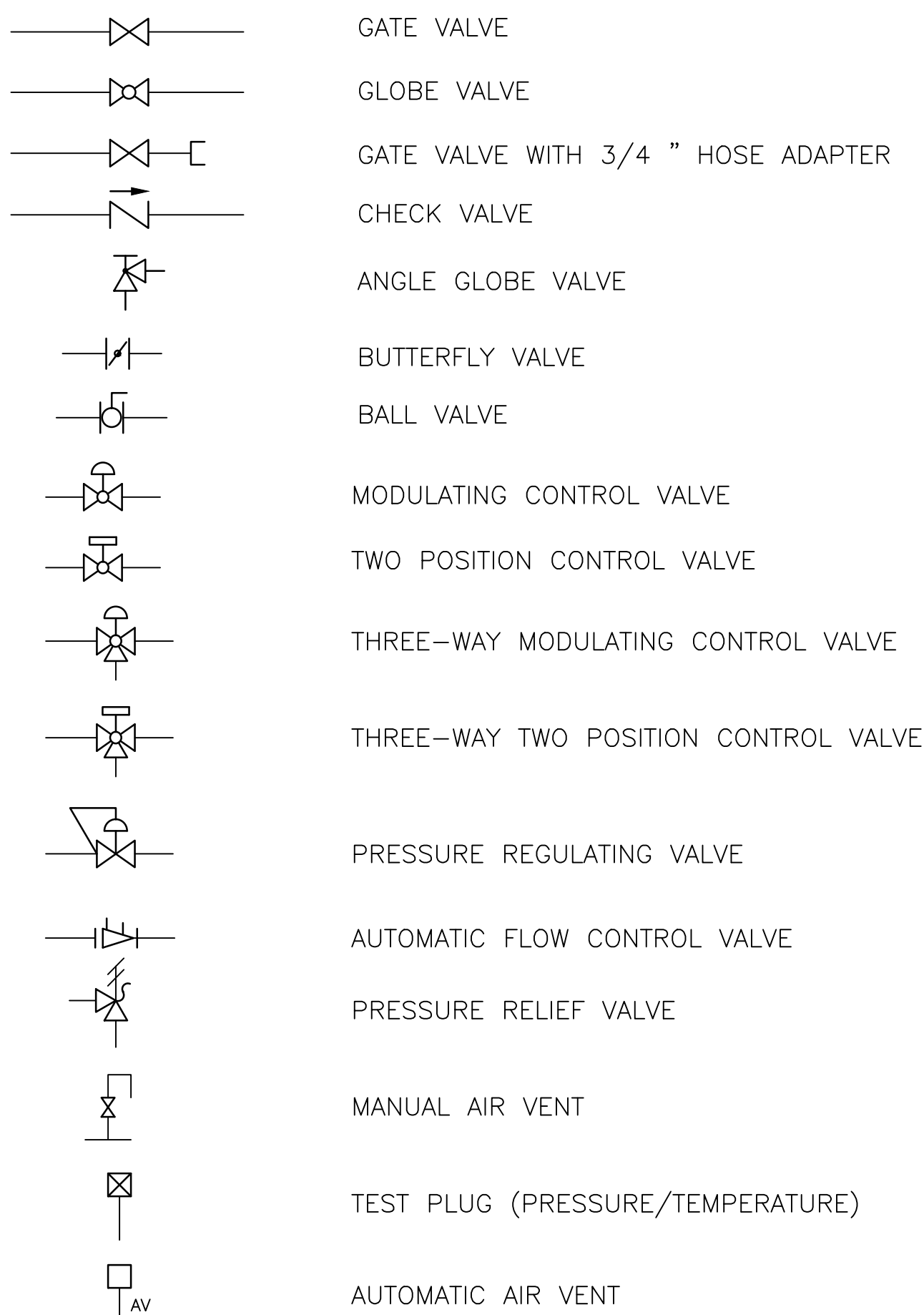
GENERAL NOTES

- PLUMBING CONTRACTOR SHALL CONFIRM ELEVATIONS, LOCATIONS, SIZES AND CONNECTION POINTS OF EXISTING PIPING AND EQUIPMENT AT JOB SITE.
- PLUMBING CONTRACTOR SHALL COORDINATE THE INSTALLATION OF HIS WORK WITH EXISTING CONDITIONS AND WITH THE WORK OF OTHER TRADES.
- PLUMBING CONTRACTOR SHALL PROVIDE PIPE SLEEVES AND FIRE STOPPING FOR ALL UTILITY PIPING THROUGH FIRE RATED WALLS.
- PLUMBING CONTRACTOR SHALL COORDINATE AND FIELD VERIFY ALL THE WORK AND AND MANUFACTURER'S REPRESENTATIVE. THE ENTIRE INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LOCAL CODES PERTAINING TO SUCH SYSTEMS. MECHANICAL CONTRACTOR SHALL CONFIRM ALL CODE REQUIREMENTS BEFORE BEGINNING WORK.
- PLUMBING CONTRACTOR SHALL PROVIDE PLUMBING FIXTURES AS SCHEDULED OR APPROVED EQUAL.
- COORDINATE ROUTING OF PIPING ABOVE CEILING IN ALL LOCATIONS WITH THE INSTALLATION OF DUCTWORK, CONDUIT, CABLE TRAY, EXISTING PIPING, DUCTWORK, AND STRUCTURE.

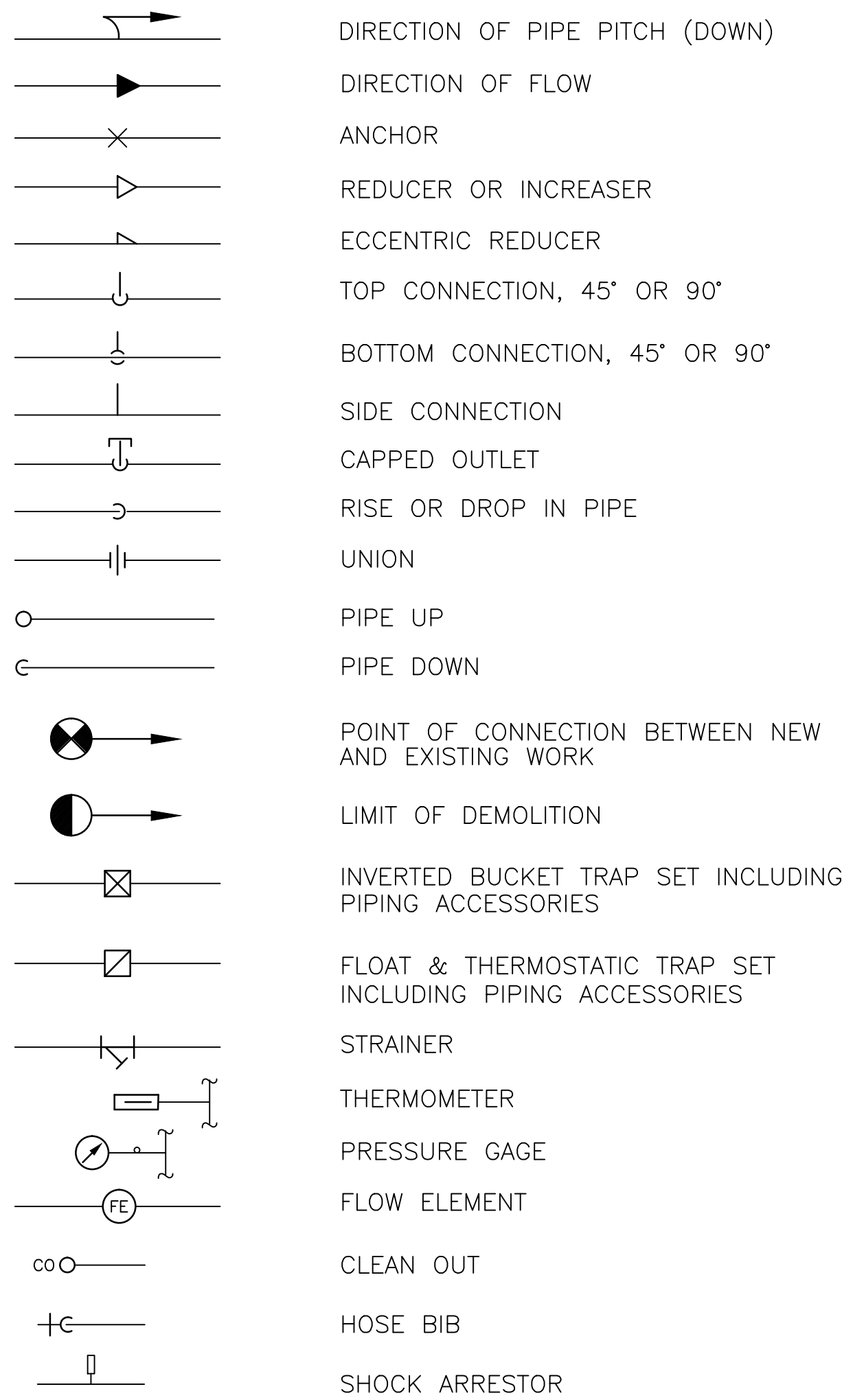
DRAWING SYMBOLS



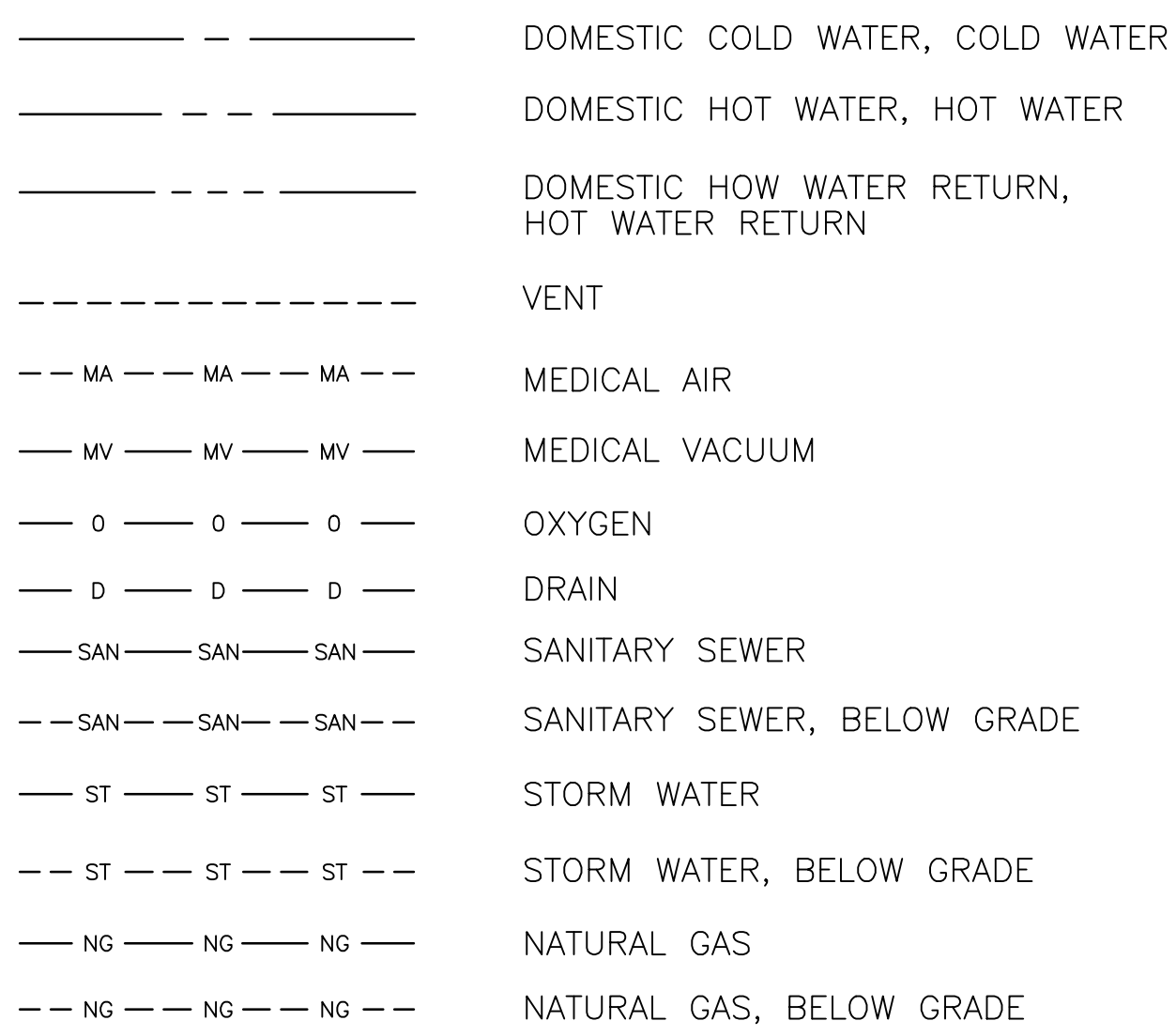
PLUMBING VALVE SYMBOLS



GENERAL PLUMBING SYMBOLS



PLUMBING PIPING SYMBOLS

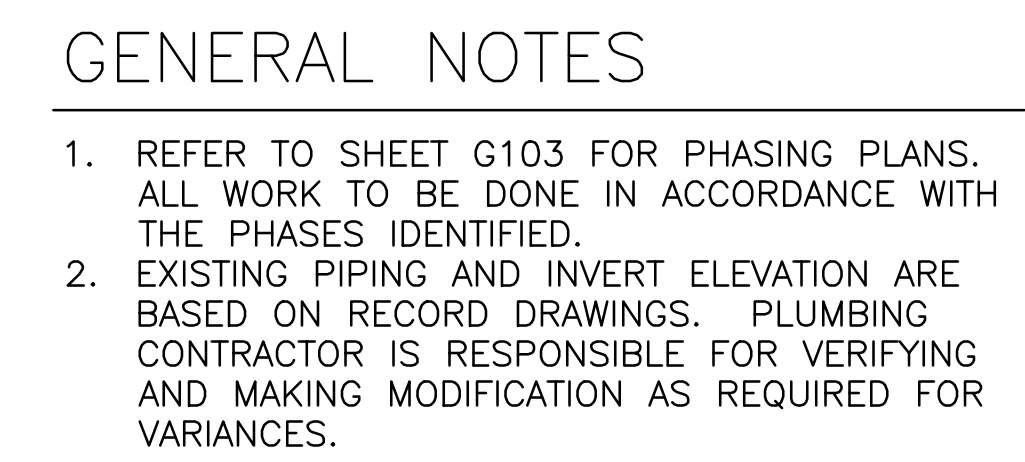


PLUMBING ABBREVIATIONS

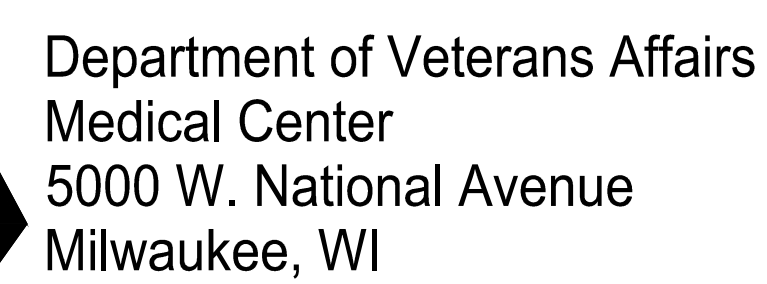
A/E ARCHITECT / ENGINEER	M METER
AD AREA DRAIN	MA MEDICAL AIR
AFF ABOVE FINISH FLOOR	MAV MANUAL AIR VENT
AFG ABOVE FINISH GRADE	MBH 1000 BTUH
AG AIR GAP	MED MEDICAL
AP ACCESS PANEL	MER MECHANICAL EQUIPMENT ROOM
AS AUTOMATIC SPRINKLER	MH MANHOLE
ASD ADJUSTABLE SPEED DRIVES	MSB MOP SERVICE BASIN
ASD AUTOMATIC SPRINKLER DRAIN	MV MEDICAL VACUUM
ASR AUTOMATIC SPRINKLER RISER	N2 NITROGEN
AV ACID VENT	N2O NITROUS OXIDE
AW ACID WASTE	NC NORMALLY CLOSED
BFP REDUCED PRESSURE BACKFLOW PREVENTER	NG NATURAL GAS
BHP BREAK HORSEPOWER	NIC NOT IN CONTRACT
BT BATHTUB	NO NORMALLY OPEN
BTU BRITISH THERMAL UNIT	NOM. NOMINAL
BTUH BRITISH THERMAL UNIT PER HOUR	NPW NON POTABLE WATER
C CELSIUS	NTC NOT TO SCALE
CGA COMPRESSED GAS ASSOCIATION	O2 OXYGEN
CI CAST IRON	OC ON CENTER
CO CLEANOUT	OD OUTSIDE DIAMETER
CS CLINICAL SINK	OFD OVERFLOW DRAIN
CV CONTROL VALVE	OR OPERATING ROOM
CW COLD WATER	OVFL OVERFLOW
DCW DOMESTIC COLD WATER	PA PASCAL
DFU DRAINAGE FIXTURE UNITS	PD PRESSURE DROP OR DIFFERENCE
DHW DOMESTIC HOT WATER	PG PRESSURE GAGE
DHWR DOMESTIC HOT WATER RETURN	PP PLUMBING PUMP
DHWR DOMESTIC HOT WATER RETURN	PPM PARTS PER MILLION
DHWS DOMESTIC HOT WATER SUPPLY	PRS PRESSURE REDUCING STATION
DI DEIONIZED WATER	PRV PRESSURE REDUCING VALVE
DN DOWN	PSI POUNDS PER SQUARE INCH
DOE DEPARTMENT OF ENERGY	PSIA POUNDS PER SQUARE INCH ABSOLUTE
DS DOWNSPOUT	PSIG POUNDS PER SQUARE INCH GAUGE
DW DISHWASHER	PTRV PRESSURE TEMPERATURE RELIEF VALVE
DWG DRAWING	PW POTABLE WATER
DWH DOMESTIC WATER HEATER	RD ROOF DRAIN
DWR DRINKING WATER RETURN	RDL ROOF DRAIN LEADER
DWS DRINKING WATER SUPPLY	RL ROOF LEADER
DWV DRAIN WASTE VENT	RO REVERSE OSMOSIS WATER
EL ELEVATION	RWL RAIN WATER LEADER
EPA ENVIROMENTAL PROTECTION AGENCY	SAN SANITARY SEWER
EPACT ENERGY POLICY ACT	SCFM STANDARD CUBIC FOOT/MINUTE
ESC ESCUTCHEON	SCW SOFTENED COLD WATER
ESH EMERGENCY SHOWER	SDMH STORM DRAIN MANHOLE
ET EXPANSION TANK	SP SUMP PUMP
EWC ELECTRIC WATER COOLER	SPR SPRINKLER LINE
EWI ELECTRIC WATER HEATER	SQFT SQUARE FEET
EWS EYE WASH STATION	SS STAINLESS STEEL
EX EXISTING	ST STORAGE TANK
F FAHRENHEIT	SW STORM WATER
FCO FLOOR CLEANOUT	TCV TEMPERATURE CONTROL VALVE
FCW FILTERED COLD WATER	TD TEMPERATURE DIFFERENCE
FD FLOOR DRAIN	TD TRENCH DRAIN
FDC FIRE DEPARTMENT (HOSE) CONNECTION	TDH TOTAL DYNAMIC HEAD
FM FLOW METER	TEMP TEMPERATURE
FOP FUEL OIL PUMP	TMV THERMOSTATIC MIXING VALVE
FOR FUEL OIL RETURN	TP TRAP PRIMER
FOS FUEL OIL SUPPLY	TSTAT THERMOSTAT
FOV FUEL OIL VENT	TWR TEMPERED WATER RETURN
FS FLOOR SINK	TWS TEMPERED WATER SUPPLY
FS FLOW SWITCH	TYP TYPICAL
FU FIXTURE UNITS	UPC UNIFORM PLUMBING CODE
GAL GALLON	V VENT
GCO GRADE CLEANOUTS	VAC VACUUM
GPD GALLONS PER DAY	VB VACUUM BREAKER
GPH GALLONS PER HOUR	VCO VACUUM CLEANER OUTLET
GPM GALLONS PER MINUTE	VP VACUUM PUMP
GPR GAS PRESSURE REGULATOR	VS VENT STACK
GRS GAS REGULATOR STATION	VTR VENT THROUGH ROOF
GT GREASE TRAP	W WASTE
GVTR GAS VENT THROUGH ROOF	WC WATER CLOSET
GWH GAS FIRED WATER HEATER	WCO WALL CLEANOUT
H&CW HOT AND COLD WATER	WG WATER GAGE
HB HOSE BIBB	WH WALL HYDRANT
HD HUB DRAIN	WH WATER HEATER
HEX HEAT EXCHANGER	WHA WATER HAMMER ARRESTER
HP HORSEPOWER	WL WATER LINE
HS HAND SINK	WM WATER METER
HST HOT WATER STORAGE TANK (DOMESTIC)	WPD WATER PRESSURE DROP
HW HOT WATER	WS WASTE STACK
HWB HOT WATER BOILER	WSFU WATER SUPPLY FIXTURE UNITS
HWCP HOT WATER CIRCULATING PUMP	
HWP HOT WATER PUMP	
HYD HYDRANT	
ICW INDUSTRIAL COLD WATER	
INV INVERT	
IPC INTERNATIONAL PLUMBING CODE	YCO YARD CLEANOUT
IRW IRRIGATION WATER	YH YARD HYDRANT
IW INDIRECT WASTE	
IWH INSTANTANEOUS WATER HEATER	
IWR INDUSTRIAL WATER RETURN	
IWS INDUSTRIAL WATER SUPPLY	
KW KILOWATT	
KWHR KILOWATT-HOUR	
LAV LAVATORY	
LBS/HR POUNDS PER HOUR	
LNG LIQUID NATURAL GAS	
LOX LIQUID OXYGEN	
LW LOW WATER	

FULLY SPRINKLERED
BID DOCUMENTS

Revisions:	Date	 Department of Veterans Affairs Medical Center 5000 W. National Avenue Milwaukee, WI		KEY PLAN: 	CONSULTANTS:    	PROJECT LEADER:  309 N. WATER ST. SUITE 650 MILWAUKEE, WI 53202 PHONE: (414) 258-6004	Drawing Title LEGENDS, ABBREVIATIONS, AND SYMBOLS Approved: Project Director	Project Title 111 EXPAND URGENT CARE Location: VA Medical Center, Milwaukee, WI Date January 28th, 2016 Checked By: HFB Drawn By: EAO	Project Number 695-402 Building Number 111 Drawing Number P001	Office of Facilities Management 
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- 1 REMOVE EXISTING SINK. REMOVE CW, HW, VENT AND SAN PIPING BACK TO MAIN AND CAP.
- 2 REMOVE TOILET. REMOVE CW, VENT, AND SAN PIPING BACK TO MAIN AND CAP.

[illegible]

309 N. WATER ST.
SUITE 650
MILWAUKEE, WI 53202
PHONE: (414) 258-6004

Approved: Project Director

	Location: VA Medical Center, Milwaukee, WI

Date
January 28th, 2016

Checked By:	HFB
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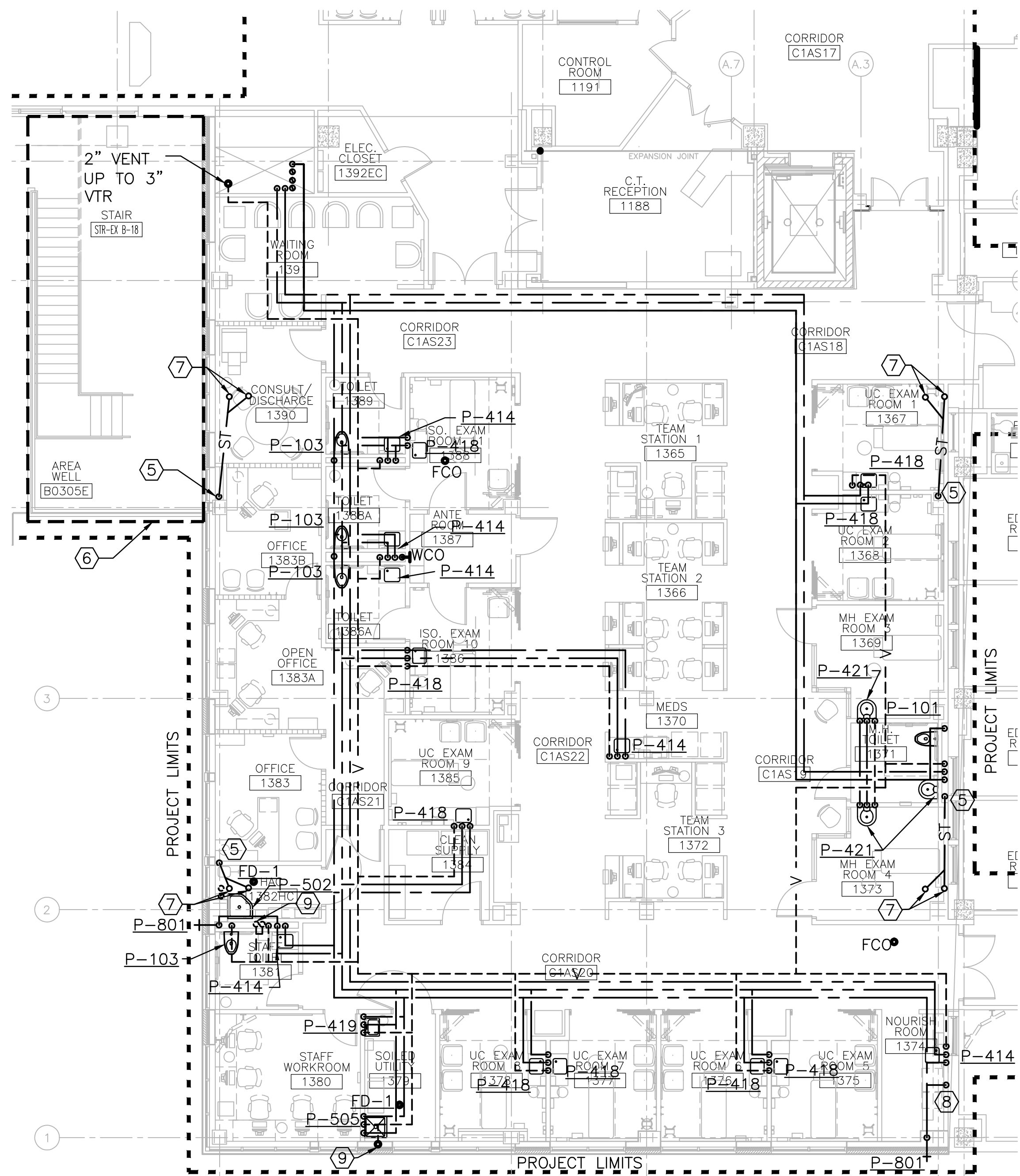
Drawn By:
EAO

Project Number	695-402
Building Number	111

Office of
Facilities
Management

 Department of
Veterans Affairs

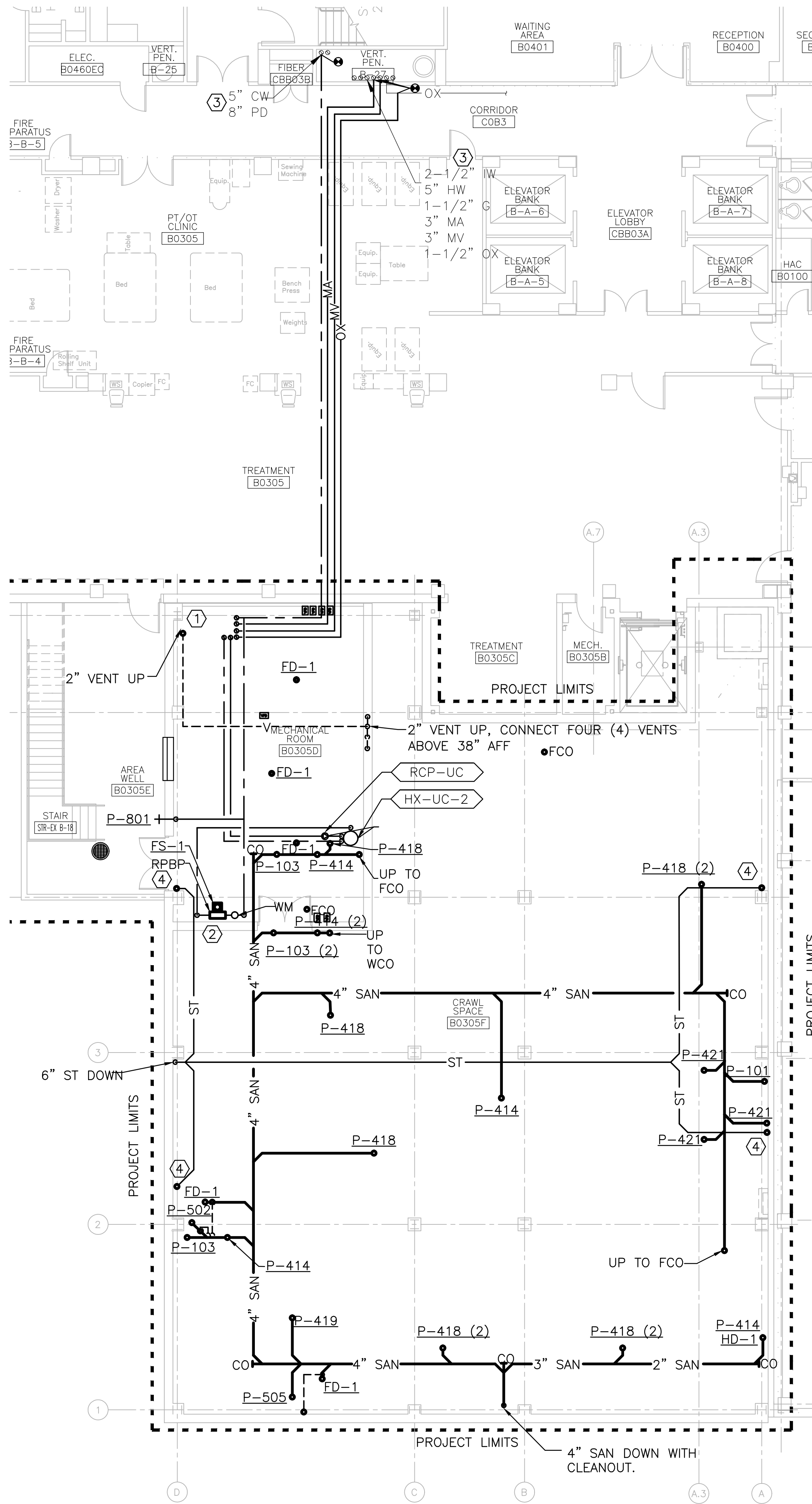
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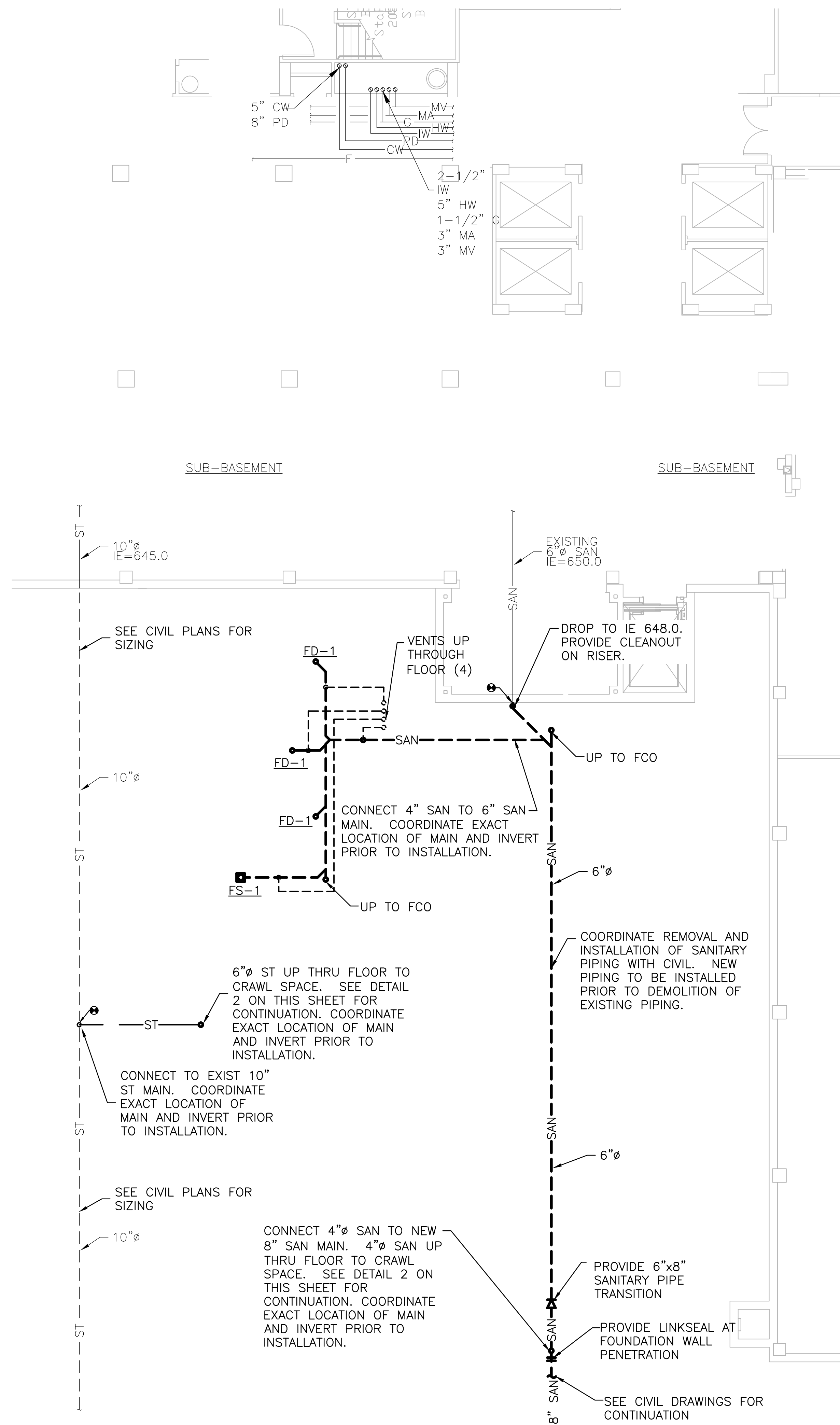
3 FIRST FLOOR PLAN
1/8" = 1'-0"

- GENERAL NOTES**
- REFER TO SHEET G103 FOR PHASING PLANS. ALL WORK TO BE DONE IN ACCORDANCE WITH THE PHASES IDENTIFIED.
 - SANITARY AND STORM PIPING TO BE INSTALLED AT A MINIMUM 1/8" PER FOOT SLOPE.
 - SEE ISOMETRIC DIAGRAMS FOR PIPE SIZES, ISOLATION VALVE LOCATIONS AND CAPACITY INFORMATION.
 - EXISTING PIPING AND INVERT ELEVATION ARE BASED ON RECORD DRAWINGS. PLUMBING CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND MAKING MODIFICATION AS REQUIRED FOR VARIANCES.

- KEYED NOTES**
- NEW CW, HW, AND HWR MAINS UP IN SHAFT TO FIRST FLOOR.
 - PROVIDE WATER METER AND REDUCE PRESSURE BACKFLOW PREVENTER ASSEMBLY. PIPE DRAIN TO FLOOR SINK FS-1.
 - CONNECT TO EXISTING RISERS IN SHAFT.
 - 3" ST LEADER UP THRU FLOOR ABOVE. SEE DETAIL 3 ON THIS SHEET FOR CONTINUATION.
 - OFFSET 3" ST LEADER IN WALL CAVITY. CONNECT TO ROOF DRAIN THRU ROOF ABOVE. SEE SHEET PP101 FOR CONTINUATION.
 - DRAINAGE IN AREA WELL SHOWN ON CS101.
 - UP TO ROOF DRAIN OR OVERFLOW DRAIN ABOVE. SEE SHEET PP101.
 - PROVIDE 1/2" CW LINE FOR ICE MAKER.
 - VENT FROM BELOW.

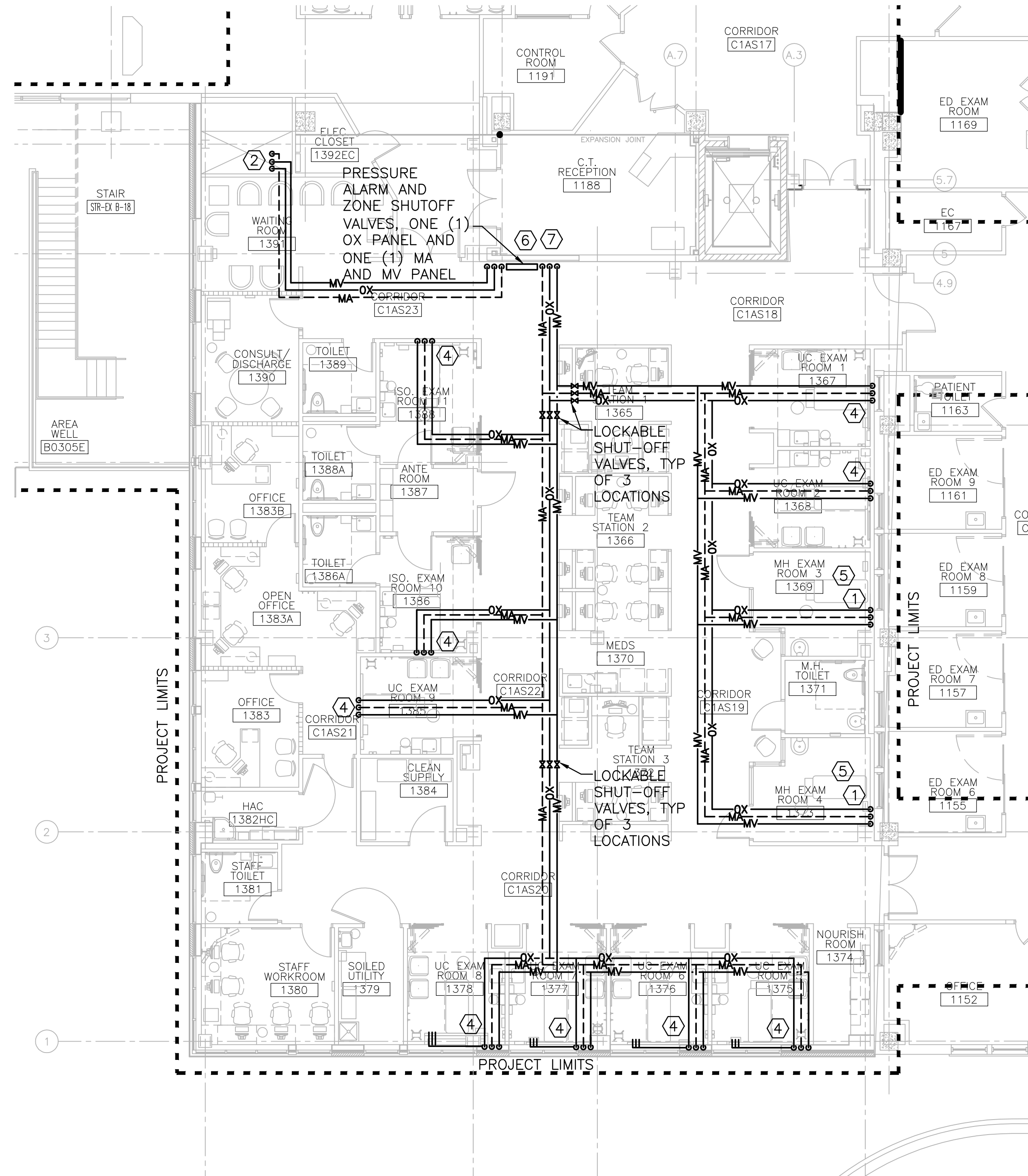
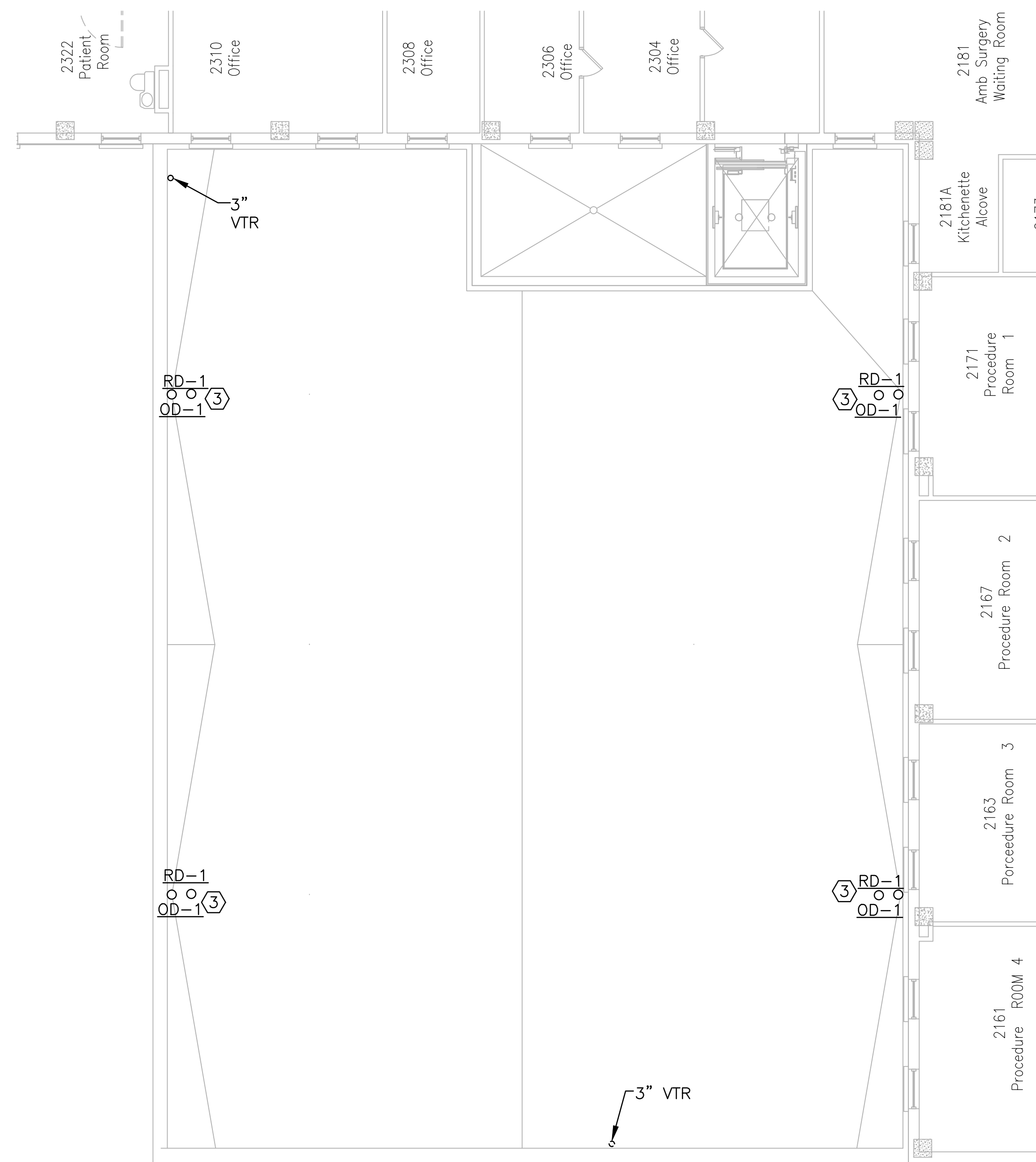


2 CRAWL SPACE FLOOR PLAN
1/8" = 1'-0"



1 SUB-BASEMENT FLOOR PLAN
1/8" = 1'-0"

 Department of Veterans Affairs Medical Center 5000 W. National Avenue Milwaukee, WI		KEY PLAN: 	CONSULTANTS: 	PROJECT LEADER: 309 N. WATER ST. SUITE 650 MILWAUKEE, WI 53202 PHONE: (414) 258-6004	Drawing Title FLOOR PLANS	Project Title 111 EXPAND URGENT CARE	Project Number 695-402	Office of Facilities Management
					Approved: Project Director	Location: VA Medical Center, Milwaukee, WI	Building Number 111	
Revisions:	Date	Date January 28th, 2016	Checked By: HFB	Drawn By: EAO	Drawing Number PP100			



- ## GENERAL NOTES

1. REFER TO SHEET G103 FOR PHASING PLANS. ALL WORK TO BE DONE IN ACCORDANCE WITH THE PHASES IDENTIFIED.
2. EXISTING PIPING AND ELEVATION ARE BASED ON RECORD DRAWINGS. PLUMBING CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND MAKING MODIFICATION AS REQUIRED FOR VARIANCES.
3. CHEMETRON IS THE SOLE PROVIDER FOR MEDICAL GAS EQUIPMENT AND OUTLETS. NO SUBSTITUTIONS ARE ALLOWED.
4. PURITAN BENEET IS THE SOLE PROVIDER FOR ALL GAS AND AIR ALARMS. NO SUBSTITUTIONS ARE ALLOWED.
5. MEDICAL OUTLETS SHALL BE THE FOLLOWING:

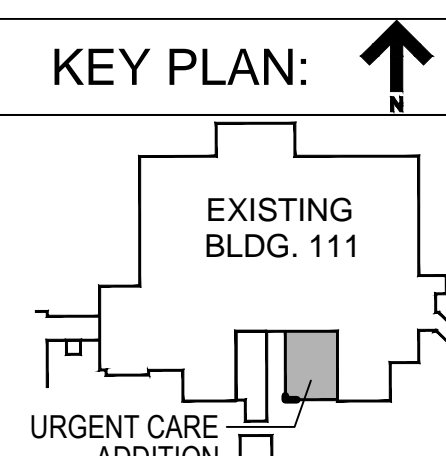
OXYGEN: CHEMETRON 64-02-5001
VACUUM: CHEMETRON 64-02-5002
AIR: CHEMETRON 64-02-5003
SLIDE BRACKET: CHEMETRON 64-06-0001
COORDINATE MED GAS OUTLET LOCATIONS WITH ARCHITECTURAL SHEETS.
7. THE MED GAS SYSTEM IS BID DEDUCT #9.

- ## KEYED NOTES

- ① 1/2" OX, 1/2" MA, 3/4" MV PIPING DROP IN WALL CAVITY. EACH ROOM HAS ONE SET OF MED GAS OUTLETS.
- ② ROUTE NEW 1" MA, 1-1/2" MV, AND 3/4" OX PIPING DOWN IN SHAFT TO MECHANICAL ROOM. SEE SHEET PP100 FOR CONTINUATION.
- ③ NEW ROOF DRAIN WITH OVERFLOW, TYPICAL.
- ④ 1/2" OX, 1/2" MA, 3/4" MV PIPING DROP IN WALL CAVITY TO ONE SET OF MED GAS OUTLETS FOR EACH ROOM. COORDINATE OUTLET LOCATIONS WITH PATIENT HEAD WALLS.
- ⑤ PROVIDE A SECURITY RECESSED CONSOLE BOX ASSEMBLY WITH RECESSED CONSOLE UNIT FOR MED GAS OUTLETS.
- ⑥ MEDICAL GAS ZONE VALVE BOX SHALL BE CHEMETRON 77-83-0336.
- ⑦ MEDICAL GAS AREA ALARM SHALL BE PURITAN BENNETT TOTAL ALERT 2 74-15-756.

Date _____

Revisions:



CONSULTANTS:

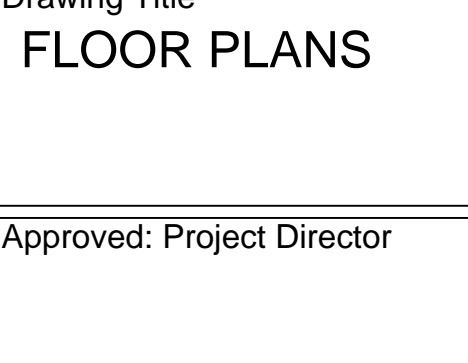
PCG
DESIGN / BUILD SERVICES

THE SIGMA
Single Source. Sound Solutions. **GO**

PROJECT LEADER:

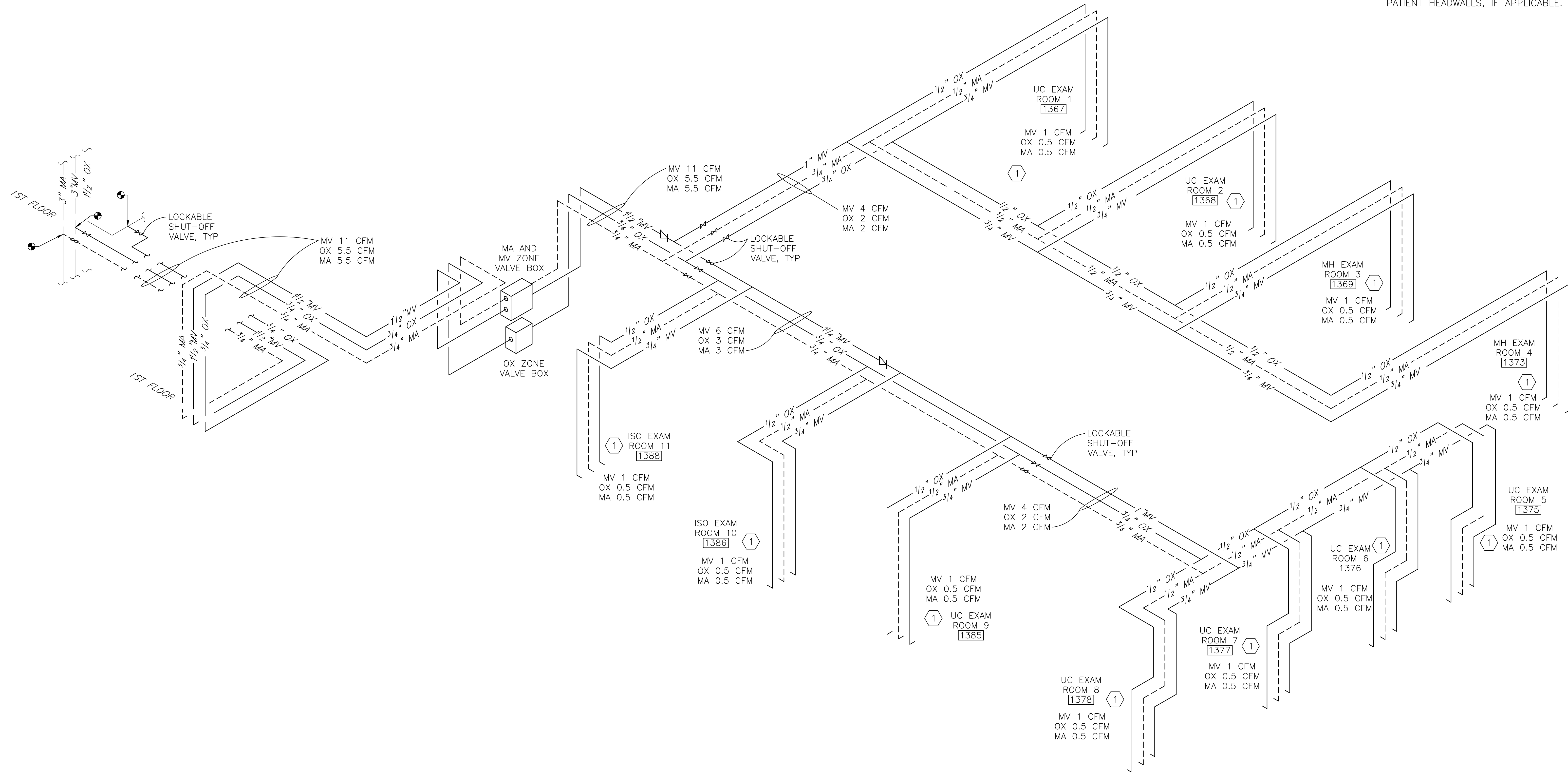


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Drawing Title	
FLOOR PLANS	
Approved: Project Director	

Project Title		111 EXPAND URGENT CARE	
Location: VA Medical Center, Milwaukee, WI			
Date	Checked By:	Drawn By:	
January 28th, 2016	HEB	FAO	

1 PROVIDE 1/2" OX, 1/2" MA, AND 3/4" MV PIPING DROP IN WALL CAVITY. COORDINATE LOCATIONS OF OUTLETS WITH PATIENT HEADWALLS, IF APPLICABLE.

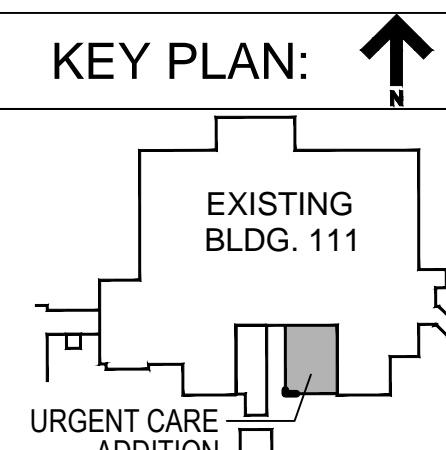


PARTIAL MEDICAL
GAS ISOMETRIC DIAGRAM

1 NTS

[illegible]

Department of Veterans Affairs
Medical Center
5000 W. National Avenue
Milwaukee, WI



CONSULTANTS:



R.A. Smith
National
Lerdah

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Drawing Title	ISOMETRIC DIAGRAMS

Project Title
111 EXPAND URGENT CARE
Location:

Date	Checked By:	Drawn By:
January 28th, 2016	HEB	EAC

FULLY SPRINKLERED
BID DOCUMENTS

Project Number
695-402

Building Number
111

Drawing Number

P403

Office of
Facilities
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